

**NATIONAL COASTAL ASSESSMENT
2001
BENTHIC COMMUNITY CONDITION
IN MARYLAND'S COASTAL BAYS**

Prepared for

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FOREWORD

This document, *National Coastal Assessment 2001: Benthic Community Condition in Maryland's Coastal Bays*, was prepared by Versar, Inc., at the request of Ms. Cathy Wazniak of the Maryland Department of Natural Resources under Cooperative Agreement CA-02-01/07-4-30722-3734 between Versar, Inc., and the University of Maryland Center for Environmental and Estuarine Studies. The report assesses the status of benthic communities in the Maryland's coastal bays in support of the United States Environmental Protection Agency's National Coastal Assessment Program.

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1.0 INTRODUCTION

The National Coastal Assessment (NCA) Program, the continuation of the Coastal 2000 Project, is a component of the Environmental Monitoring and Assessment Program (EMAP). The National Coastal Assessment and EMAP are national research programs led by the Environmental Protection Agency's Office of Research and Development (EPA-ORD). The New NCA/EMAP are intended to develop the scientific tools and agency partnerships needed to broadly assess the status and trends of significant ecological systems. The goal of EMAP is to "monitor the condition of the Nation's ecological resources to evaluate the cumulative success of current policies and programs and to identify emerging problems before they become widespread or irreversible".

The Maryland Department of Natural Resources (DNR) has developed a Cooperative Agreement with the Environmental Protection Agency (EPA) to join collaboratively in the National Coastal Assessment Program to assess the coastal waters and estuaries of the United States. As the lead agency for the state of Maryland, DNR conducted a study in August 2001 to assess water quality, sediment quality, and the quality of biological resources in the Maryland's coastal bays. This document presents the results of the benthic portion of the study (i.e., an assessment of the bottom invertebrate community).

2.0 METHODS

2.1 SAMPLE COLLECTION

Benthic samples for NCA 2001 were collected at 54 sites during August 2001. Eighteen sites were National Park Service water quality monitoring sites, 20 sites were *Pfiesteria* monitoring sites, and 16 sites were National Coastal Assessment sites (Figure 1). These sites were the same Coastal 2000 sites sampled in August 2000. Station designation and location are presented in Table 1.

Standardized methods were used in this project. While the field and laboratory procedures were consistent with the methods used by the NCA partners, an effort was made to obtain data that could be compared with historic and current monitoring efforts in Maryland's estuarine waters.

Benthic samples were collected with a Young Grab which samples an area of 440 cm² to a depth of 10 cm. Three benthic grab samples were collected at each site. All samples were sieved through a 0.5-mm screen using an elutriative process, and the organisms retained on the screen were transferred to labeled jars and preserved in 10% buffered formalin stained with Rose Bengal (a vital stain used to aid separation of organisms from sediment and detritus). A subsample from additional sediment chemistry grab samples was collected from each site for silt-clay analysis. Silt-clay analysis samples were frozen until processed in the laboratory. Surface and bottom water temperature, conductivity, salinity, dissolved oxygen concentration (DO), and pH were measured at each site with a Hydrolab DataSonde 3 unit.

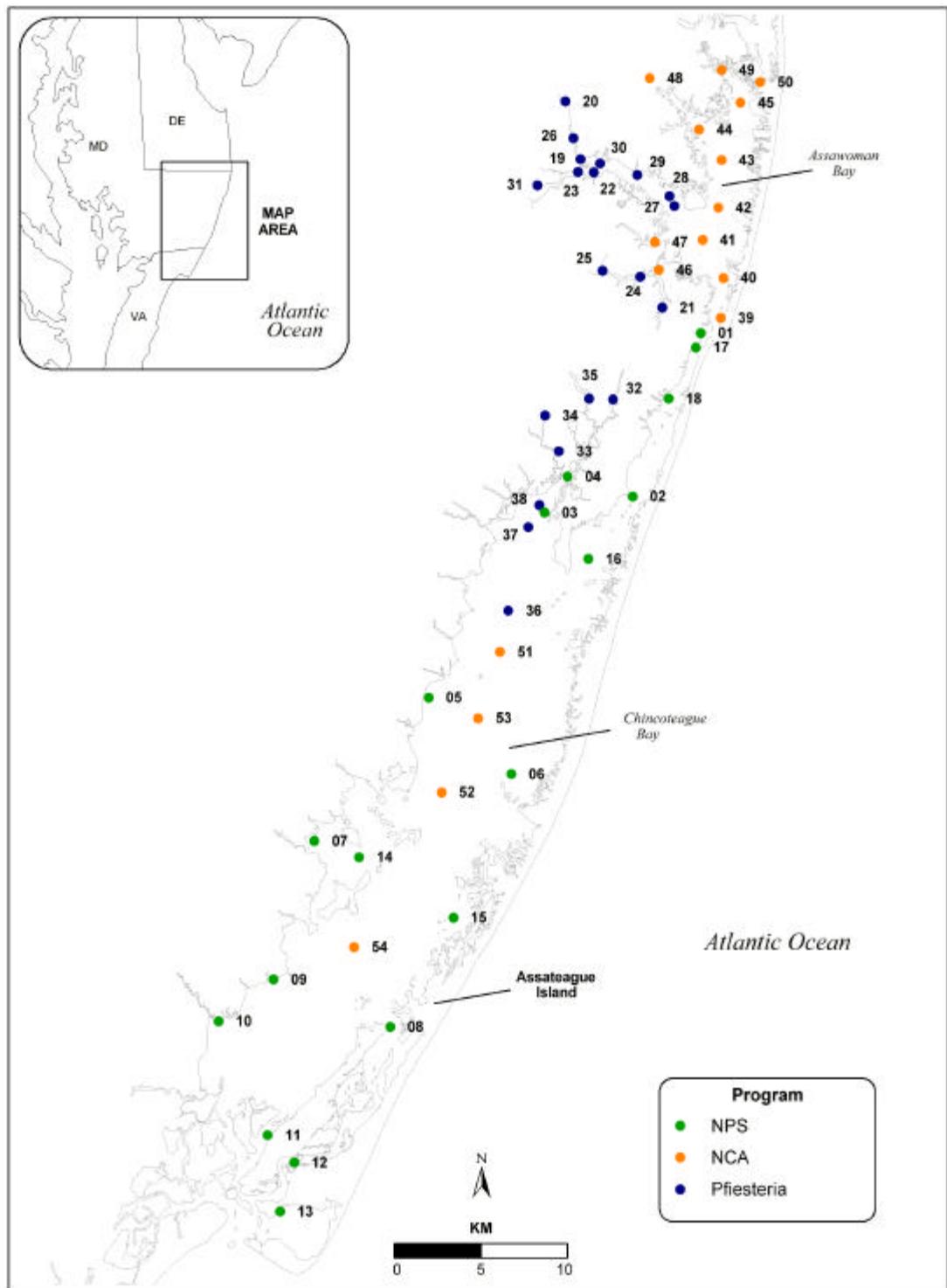


Figure 1. Location of the coastal bays sampling sites for 2001

Table 1. Coastal bays sampling sites for 2001

| Program | Station (this report) | Station (DNR) | Latitude | | Longitude | |
|-------------------|--------------------------|------------------|----------|---------|-----------|---------|
| NPS | MDCB-01 | NPS-1 | 38° | 19.6243 | 75° | 6.2374 |
| | MDCB-02 | NPS-2 | 38° | 14.7439 | 75° | 8.9374 |
| | MDCB-03 | NPS-3 | 38° | 14.2634 | 75° | 12.4372 |
| | MDCB-04 | NPS-4 | 38° | 15.3415 | 75° | 11.5196 |
| | MDCB-05 | NPS-5 | 38° | 8.7365 | 75° | 17.0271 |
| | MDCB-06 | NPS-6 | 38° | 6.4521 | 75° | 13.7409 |
| | MDCB-07 | NPS-7 | 38° | 4.4536 | 75° | 21.5641 |
| | MDCB-08 | NPS-8 | 37° | 58.9006 | 75° | 18.5486 |
| | MDCB-09 | NPS-9 | 38° | 0.3130 | 75° | 23.1862 |
| | MDCB-10 | NPS-10 | 37° | 59.0654 | 75° | 25.3695 |
| | MDCB-11 | NPS-11 | 37° | 55.6692 | 75° | 23.4181 |
| | MDCB-12 | NPS-12 | 37° | 54.8502 | 75° | 22.3696 |
| | MDCB-13 | NPS-13 | 37° | 53.3871 | 75° | 22.9261 |
| | MDCB-14 | NPS-14 | 38° | 3.9703 | 75° | 19.7858 |
| | MDCB-15 | NPS-15 | 38° | 2.1677 | 75° | 16.0526 |
| | MDCB-16 | NPS-16 | 38° | 12.8819 | 75° | 10.6937 |
| | MDCB-17 | NPS-17 | 38° | 19.2002 | 75° | 6.4233 |
| | MDCB-18 | NPS-18 | 38° | 17.6685 | 75° | 7.5076 |
| <i>Pfiesteria</i> | MDCB-19 | BSH0008 | 38° | 24.8196 | 75° | 11.0076 |
| | MDCB-20 | BSH0030 | 38° | 26.5450 | 75° | 11.6020 |
| | MDCB-21 | HEC0012 | 38° | 20.3902 | 75° | 7.7581 |
| | MDCB-22 | SPR0002 | 38° | 24.4273 | 75° | 10.4685 |
| | MDCB-23 | SPR0009 | 38° | 24.4286 | 75° | 11.1091 |
| | MDCB-24 | TUV0019 | 38° | 21.3087 | 75° | 8.6364 |
| | MDCB-25 | TUV0034 | 38° | 21.4840 | 75° | 10.1300 |
| | MDCB-26 | XDM4486 | 38° | 25.4475 | 75° | 11.2951 |
| | MDCB-27 | XDN3527 | 38° | 23.4171 | 75° | 7.2842 |
| | MDCB-28 | XDN3724 | 38° | 23.7118 | 75° | 7.4839 |
| | MDCB-29 | XDN4312 | 38° | 24.3382 | 75° | 8.7540 |
| | MDCB-30 | XDN4797 | 38° | 24.6879 | 75° | 10.2300 |
| | MDCB-31 | BIH0009 | 38° | 24.0430 | 75° | 12.7180 |
| | MDCB-32 | AYR0017 | 38° | 17.6450 | 75° | 9.7110 |
| | MDCB-33 | NPC0012 | 38° | 16.0950 | 75° | 11.8650 |
| | MDCB-34 | NPC0031 | 38° | 17.1620 | 75° | 12.4160 |
| | MDCB-35 | TRC0043 | 38° | 17.6750 | 75° | 10.6630 |
| | MDCB-36 | XCM1562 | 38° | 11.3364 | 75° | 13.8681 |
| | MDCB-37 | XCM3367 | 38° | 13.8297 | 75° | 13.0805 |
| | MDCB-38 | XCM4878 | 38° | 14.4784 | 75° | 12.6256 |

Table 1. (Continued)

| Program | Station (this report) | Station (DNR) | Latitude | | Longitude | |
|-----------------------------|--------------------------|------------------|----------|---------|-----------|---------|
| National Coastal Assessment | MDCB-39 | XDN0146 | 38° | 20.0818 | 75° | 5.4333 |
| | MDCB-40 | XDN2438 | 38° | 21.2750 | 75° | 5.3372 |
| | MDCB-41 | XDN2340 | 38° | 22.4067 | 75° | 6.1577 |
| | MDCB-42 | XDN3445 | 38° | 23.3669 | 75° | 5.5434 |
| | MDCB-43 | XDN4851 | 38° | 24.7948 | 75° | 5.4098 |
| | MDCB-44 | XDN5737 | 38° | 25.7019 | 75° | 6.2913 |
| | MDCB-45 | XDN6454 | 38° | 26.5075 | 75° | 4.6539 |
| | MDCB-46 | TUV0011 | 38° | 21.5117 | 75° | 7.8845 |
| | MDCB-47 | MKL0010 | 38° | 22.3427 | 75° | 8.0610 |
| | MDCB-48 | GET0005 | 38° | 27.2430 | 75° | 8.2620 |
| | MDCB-49 | XDN7545 | 38° | 27.4794 | 75° | 5.4078 |
| | MDCB-50 | XDN7261 | 38° | 27.1274 | 75° | 3.8789 |
| | MDCB-51 | XCM0159 | 38° | 10.0972 | 75° | 14.2025 |
| | MDCB-52 | XBM8149 | 38° | 5.9084 | 75° | 16.5180 |
| | MDCB-53 | XBM5932 | 38° | 8.1214 | 75° | 15.0617 |
| | MDCB-54 | XBM1301 | 38° | 1.2814 | 75° | 19.9895 |

2.2 LABORATORY PROCESSING

Organisms from one replicate sample were sorted from detritus under dissecting microscopes, identified to the lowest practical taxonomic level, and counted. The other two replicate samples were re-screened in the lab, transferred to ethanol, and archived.

For stations with salinities less than or equal to 5.0 psu, oligochaete worms and chironomid midges were mounted on microscope slides, examined under a compound microscope, and identified to genus and species following procedures based upon currently accepted practices in benthic ecology. If the number of oligochaetes or chironomids in a sample was over 20 individuals, the sample was split and 50% of the specimens were mounted. The sample was split by evenly spreading the specimens in a gridded tray and selecting half of the total number of grids at random. Total taxonomic counts for each oligochaete or chironomid species were adjusted by the proportion of the total number of specimens mounted in the sample. For all higher salinity stations, oligochaetes and chironomids were not slide mounted and were only identified to the group level following EMAP procedures.

A voucher collection of rare and taxonomically problematic species was prepared in the laboratory and is available upon request. Rare species were those for which there were no specimens, or only one specimen existed, in the permanent reference collections maintained at Versar or Cove Corporation. Taxonomically problematic species were those

for which there was insufficient taxonomic information to resolve their classification with certainty.

Sand and silt-clay particles were separated by wet-sieving through a 63 micron stainless steel sieve and weighed using standard procedures described in Plumb (1981) and Buchanan (1984).

2.3 DATA ANALYSIS

Analyses were performed in the context of measures of benthic community condition used in a benthic index of biotic integrity (B-IBI) developed for the Mid-Atlantic Integrated Assessment (MAIA) Program (Llansó et al., In press). The MAIA region extends from the Delaware Bay estuary to Pamlico Sound. The MAIA B-IBI is a multiple-attribute index designed to identify the degree to which a benthic assemblage deviates from expected reference (non-degraded) conditions. It integrates several benthic community attributes indicative of "health" into a single number that measures overall benthic community condition.

The MAIA index was derived following procedures similar to those used during the development of the Chesapeake Bay B-IBI (Weisberg et al., 1997). Thresholds were established for each of several attributes as the 10th (or 90th, see below) and the 50th percentile values of the distribution of values at reference sites. This was done for each of five salinity habitats. For each attribute, a value from a new sample falling below the 10th percentile threshold (or above the 90th) was considered to deviate strongly from values at the best reference sites in similar habitats. An upper threshold corresponding to the 90th percentile was used for some attributes (e.g., percent abundance as pollution indicative taxa) because the direction of the response is such that higher percentages are expected in degraded sites than in reference sites. The index was validated using an independent data set. Existing datasets from several federal and state sampling programs and multiple years were used to develop and validate the index. For details see Llansó et al. (In press).

Attributes of benthic community condition used in the MAIA index were: abundance (number of individuals per m²), number of taxa, Shannon-Wiener diversity index (calculated with logarithms in base 2), percent dominance (100 minus the percent abundance contributed by the top two numerically dominant taxa), percent abundance as pollution indicative taxa, percent abundance as pollution sensitive taxa, percent abundance of deep-deposit feeders, percent abundance of Bivalvia, and the percent abundance ratio of Tanypodinae to Chironomidae. Epifaunal organisms, which usually respond differently to pollution than infauna (Ranasinghe et al., 1994), were eliminated from the analysis.

One of the measures listed above, abundance, responds bimodally to stress; that is, the response can be greater than at reference sites with moderate degrees of stress, and less than at reference sites with high degrees of stress (Pearson and Rosenberg 1978). For this measure, an upper threshold corresponding to the 90th percentile value at reference sites was established in addition to the lower threshold corresponding to the 10th percentile (Weisberg et al., 1997). Values from samples falling above the upper threshold

indicate moderate effects on benthos resulting in excess abundance in relation to organic enrichment. Values from samples falling below the lower threshold indicate depauperate benthic communities symptomatic of prolonged oxygen stress, toxic contamination, or other anthropogenic disturbance.

As with the Chesapeake Bay B-IBI, the MAIA index is scaled from 1 to 5. Sites with values of 3 or more were considered to meet the goal, defined here as the observation of a benthic community that does not differ significantly from the reference (non-degraded) condition. Based on the MAIA B-IBI, sites were classified into three levels. Sites with index values less than or equal to 2.0 were classified as severely degraded; sites with index values from 2.1 to 2.9 were classified as degraded; and sites with index values of 3.0 or more were classified as meeting the goal.

3.0 RESULTS

For each of the 54 NCA 2001 sites, MAIA B-IBI values are presented in Table 2 and the corresponding benthic community condition is presented in Figure 2. Station specific water quality measurements and sediment composition are provided in Table 3. A complete list of species and their abundance is provided in the Appendix.

Of the 54 sites sampled in 2001, 33 sites exhibited healthy benthic communities (index score equal to or greater than 3.0) and 21 exhibited degraded benthos (index score < 3.0, Table 2, Figure 2). Of the 21 sites that failed, eleven were classified as severely degraded and ten were classified as degraded by the index.

Sites that were classified as severely degraded either had few organisms and dominance of one species (Sta. 19, 21, 22, 25, 26, and 30) or had an unbalanced community heavily dominated by 1-3 species, usually annelids (Sta. 1, 23, 33, 41, and 47). Bivalves were mostly lacking at these sites. Stations 33 and 41 had very high densities of organisms, failing the abundance metric because of excess abundance.

Nine of the ten sites classified as degraded (Sta. 04, 06, 10, 15, 18, 39, 43, 46, and 49) were only moderately so. Shannon diversity and species richness at these sites scored in the good range, but the abundance metric and/or the bivalve metric scored 1 (indicating impaired condition). Stations 04, 06, 10, 15, 43, and 46 failed the index because of excess abundance of organisms. These sites were heavily dominated by one or two taxa, generally the polychaete *Mediomastus ambiseta*, and either oligochaete annelids or the amphipod *Ampelisca abdita*. All degraded sites had very few bivalves. Typically, a higher proportion of bivalves in the community would be expected in polyhaline substrates.

The same sites were sampled in 2000 and 2001. Twenty-two percent of the sites were declared degraded by the index (index score < 3.0) in 2000, versus 39% of the sites in 2001. Eight sites (Sta. 19, 21, 22, 23, 25, 26, 30, and 47) were degraded both in 2000 and 2001, and of these eight sites, Sta. 21, 22, 23, 26, and 30, located in the upper reaches of St. Martin River and in Herring Creek, were severely degraded in both years.

Table 2. MAIA B-IBI metric values and index scores. Blanks indicate metrics not applicable to the salinity habitat in which the station was classified, or correspond to measures for which percentages cannot be calculated. Salinity class definition: Poly = polyhaline (> 18 psu), HM = high mesohaline (12-18 psu), LM = low mesohaline (5-12 psu), Oligo = oligohaline (0.5-5 psu), and TF = tidal freshwater (0-0.5 psu).

| Station | Abundance (#/m ²) | Shannon-Wiener | No. Taxa (#/0.044 m ²) | Domi-nance | % Pollution Indicative | % Pollution Sensitive | Taypo/Chiron | % Bivalve Abundance | Deep Feeding | Abun Score | Shan Score | Taxa score | Domi Score | Pollu-ind Score | Poll-sen Score | Tany Score | Bival Score | Deep Score | MAIA Index | Salinity Class |
|---------|-------------------------------|----------------|------------------------------------|------------|------------------------|-----------------------|--------------|---------------------|--------------|------------|------------|------------|------------|-----------------|----------------|------------|-------------|------------|------------|----------------|
| MDCB-01 | 6840.9 | 1.85 | 9 | 26.91 | 9.63 | 0.33 | . | 0.33 | 20.93 | 3 | 1 | 3 | . | . | . | . | 1 | . | 2.0 | Poly |
| MDCB-02 | 18636.3 | 3.96 | 44 | 61.83 | 0.24 | 13.78 | . | 5.49 | 40.37 | 1 | 5 | 5 | . | . | . | . | 3 | . | 3.5 | Poly |
| MDCB-03 | 10772.7 | 3.93 | 35 | 60.55 | 3.38 | 33.12 | . | 2.11 | 58.02 | 1 | 5 | 5 | . | . | . | . | 3 | . | 3.5 | Poly |
| MDCB-04 | 21681.7 | 2.29 | 25 | 29.87 | 2.94 | 7.76 | . | 0.00 | 14.68 | 1 | 3 | 5 | . | . | . | . | 1 | . | 2.5 | Poly |
| MDCB-05 | 17749.9 | 2.20 | 29 | 17.29 | 0.77 | 4.10 | . | 0.51 | 49.55 | 1 | 3 | 5 | . | . | . | . | 3 | . | 3.0 | Poly |
| MDCB-06 | 38636.2 | 2.94 | 38 | 42.76 | 0.41 | 11.88 | . | 0.41 | 50.94 | 1 | 3 | 5 | . | . | . | . | 1 | . | 2.5 | Poly |
| MDCB-07 | 21136.3 | 2.96 | 22 | 48.92 | 22.26 | 1.72 | . | 2.26 | 35.81 | 1 | 3 | 5 | . | . | . | . | 3 | . | 3.0 | Poly |
| MDCB-08 | 29909.0 | 3.36 | 28 | 53.57 | 0.15 | 2.05 | . | 0.00 | 41.95 | 1 | 5 | 5 | . | . | . | . | 1 | . | 3.0 | Poly |
| MDCB-09 | 32318.1 | 2.20 | 31 | 23.56 | 0.28 | 3.23 | . | 1.05 | 31.93 | 1 | 3 | 5 | . | . | . | . | 3 | . | 3.0 | Poly |
| MDCB-10 | 18863.6 | 2.29 | 27 | 25.06 | 2.17 | 1.81 | . | 0.24 | 24.94 | 1 | 3 | 5 | . | . | . | . | 1 | . | 2.5 | Poly |
| MDCB-11 | 5659.1 | 2.36 | 23 | 26.91 | 4.82 | 8.84 | . | 3.21 | 66.27 | 5 | 3 | 5 | . | . | . | . | 3 | . | 4.0 | Poly |
| MDCB-12 | 8000.0 | 3.12 | 35 | 36.08 | 15.34 | 5.68 | . | 1.14 | 59.66 | 3 | 5 | 5 | . | . | . | . | 3 | . | 4.0 | Poly |
| MDCB-13 | 2500.0 | 3.13 | 18 | 49.09 | 26.36 | 5.45 | . | 1.82 | 18.18 | 5 | 5 | 3 | . | . | . | . | 3 | . | 4.0 | Poly |
| MDCB-14 | 16113.6 | 2.76 | 34 | 29.20 | 0.85 | 8.89 | . | 2.12 | 55.99 | 1 | 3 | 5 | . | . | . | . | 3 | . | 3.0 | Poly |
| MDCB-15 | 13204.5 | 2.89 | 25 | 37.35 | 0.34 | 34.42 | . | 0.34 | 73.84 | 1 | 3 | 5 | . | . | . | . | 1 | . | 2.5 | Poly |
| MDCB-16 | 25363.6 | 2.90 | 35 | 38.53 | 0.18 | 13.62 | . | 0.99 | 27.24 | 1 | 3 | 5 | . | . | . | . | 3 | . | 3.0 | Poly |
| MDCB-17 | 2545.4 | 2.23 | 13 | 31.25 | 0.00 | 1.79 | . | 1.79 | 0.89 | 5 | 3 | 3 | . | . | . | . | 3 | . | 3.5 | Poly |
| MDCB-18 | 1113.6 | 2.39 | 7 | 46.94 | 0.00 | 0.00 | . | 0.00 | 18.37 | 3 | 3 | 3 | . | . | . | . | 1 | . | 2.5 | Poly |
| MDCB-19 | 272.7 | 2.23 | 5 | 50.00 | 8.33 | 0.00 | . | 0.00 | 50.00 | 1 | 3 | 1 | . | . | . | . | 1 | . | 1.5 | Poly |
| MDCB-20 | 590.9 | 0.00 | 1 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1 | . | . | . | . | . | 5 | . | 5 | 3.7 | TF |
| MDCB-21 | 454.5 | 1.56 | 6 | 20.00 | 10.00 | 0.00 | . | 5.00 | 10.00 | 1 | 1 | 1 | . | . | . | 3 | . | 1.5 | Poly | |
| MDCB-22 | 181.8 | 1.91 | 3 | 37.50 | 0.00 | 0.00 | . | 0.00 | 50.00 | 1 | 1 | 1 | . | . | . | 1 | . | 1.0 | Poly | |
| MDCB-23 | 1454.5 | 1.84 | 5 | 21.88 | 0.00 | 0.00 | . | 0.00 | 65.63 | 5 | 1 | 1 | . | . | . | 1 | . | 2.0 | Poly | |
| MDCB-24 | 5000.0 | 1.84 | 13 | 22.73 | 0.00 | 9.09 | . | 0.91 | 13.64 | 5 | 1 | 3 | . | . | . | 3 | . | 3.0 | Poly | |
| MDCB-25 | 45.5 | 1.00 | 2 | 0.00 | 50.00 | 0.00 | . | 0.00 | 0.00 | 1 | 1 | 1 | 1 | . | 1 | . | . | 1.0 | HM | |
| MDCB-26 | 431.8 | 1.02 | 3 | 5.26 | 73.68 | 5.26 | . | 0.00 | 5.26 | 1 | 1 | 1 | . | . | . | 1 | . | 1.0 | Poly | |
| MDCB-27 | 3227.3 | 3.67 | 19 | 65.49 | 2.82 | 11.97 | . | 1.41 | 39.44 | 5 | 5 | 3 | . | . | . | 3 | . | 4.0 | Poly | |
| MDCB-28 | 7340.9 | 2.37 | 16 | 29.72 | 1.86 | 8.36 | . | 4.02 | 63.78 | 3 | 3 | 3 | . | . | . | 3 | . | 3.0 | Poly | |

Table 2. (Continued)

| Station | Abundance (#/m ²) | Shannon-Wiener | No. Taxa (#/0.044 m ²) | Domi-nance | % Pollution Indicative | % Pollution Sensitive | Taypo/Chiron | % Bivalve Abundance | Deep Feeding | Abun Score | Shan Score | Taxa score | Domi Score | Pollu-ind Score | Poll-sen Score | Tany Score | Bival Score | Deep Score | MAIA Index | Salinity Class |
|---------|-------------------------------|----------------|------------------------------------|------------|------------------------|-----------------------|--------------|---------------------|--------------|------------|------------|------------|------------|-----------------|----------------|------------|-------------|------------|------------|----------------|
| MDCB-29 | 2977.3 | 1.66 | 9 | 20.61 | 0.00 | 0.76 | . | 9.16 | 0.76 | 5 | 1 | 3 | . | . | . | . | 5 | . | 3.5 Poly | |
| MDCB-30 | 590.9 | 1.62 | 4 | 23.08 | 15.38 | 0.00 | . | 0.00 | 57.69 | 1 | 1 | 1 | . | . | . | . | 1 | . | 1.0 Poly | |
| MDCB-31 | 1181.8 | 1.90 | 6 | 26.92 | 84.62 | 0.00 | 0.00 | 11.54 | 19.23 | 1 | . | . | . | . | . | 5 | . | 5 | 3.7 TF | |
| MDCB-32 | 36931.7 | 2.27 | 10 | 31.32 | 42.89 | 0.00 | . | 0.00 | 4.98 | 1 | 3 | 3 | 3 | . | 1 | . | . | . | 2.2 HM | |
| MDCB-33 | 16022.7 | 2.06 | 13 | 20.00 | 6.67 | 1.42 | . | 0.00 | 40.71 | 1 | 3 | 3 | . | . | . | . | 1 | . | 2.0 Poly | |
| MDCB-34 | 931.8 | 2.30 | 7 | 41.46 | 63.41 | 0.00 | 43.75 | 0.00 | 39.02 | . | . | . | 5 | 3 | . | . | . | 3 | 3.7 Oligo | |
| MDCB-35 | 3431.8 | 1.68 | 6 | 20.53 | 17.88 | 0.00 | . | 0.00 | 4.64 | 5 | 3 | 1 | 3 | 3 | . | . | . | . | 3.0 LM | |
| MDCB-36 | 16522.7 | 2.91 | 32 | 36.73 | 1.65 | 12.93 | . | 1.38 | 65.06 | 1 | 3 | 5 | . | . | . | . | 3 | . | 3.0 Poly | |
| MDCB-37 | 16295.4 | 2.67 | 29 | 28.73 | 1.26 | 7.67 | . | 1.39 | 43.65 | 1 | 3 | 5 | . | . | . | . | 3 | . | 3.0 Poly | |
| MDCB-38 | 19772.7 | 2.77 | 26 | 32.76 | 1.26 | 7.13 | . | 1.03 | 54.25 | 1 | 3 | 5 | . | . | . | . | 3 | . | 3.0 Poly | |
| MDCB-39 | 909.1 | 2.90 | 10 | 47.50 | 12.50 | 0.00 | . | 0.00 | 5.00 | 3 | 3 | 3 | . | . | . | . | 1 | . | 2.5 Poly | |
| MDCB-40 | 1863.6 | 3.71 | 20 | 69.51 | 0.00 | 8.54 | . | 7.32 | 10.98 | 5 | 5 | 5 | . | . | . | . | 3 | . | 4.5 Poly | |
| MDCB-41 | 39613.5 | 1.65 | 32 | 12.74 | 0.57 | 3.16 | . | 0.23 | 28.40 | 1 | 1 | 5 | . | . | . | . | 1 | . | 2.0 Poly | |
| MDCB-42 | 4886.3 | 3.84 | 31 | 54.88 | 0.93 | 43.72 | . | 6.51 | 54.88 | 5 | 5 | 5 | . | . | . | . | 3 | . | 4.5 Poly | |
| MDCB-43 | 12363.6 | 2.40 | 20 | 30.33 | 0.92 | 7.54 | . | 0.37 | 67.28 | 1 | 3 | 5 | . | . | . | . | 1 | . | 2.5 Poly | |
| MDCB-44 | 1886.4 | 2.76 | 16 | 36.14 | 2.41 | 3.61 | . | 2.41 | 8.43 | 5 | 3 | 3 | . | . | . | . | 3 | . | 3.5 Poly | |
| MDCB-45 | 1454.5 | 3.29 | 13 | 62.50 | 18.75 | 15.63 | . | 1.56 | 46.88 | 5 | 5 | 3 | . | . | . | . | 3 | . | 4.0 Poly | |
| MDCB-46 | 13727.2 | 2.12 | 22 | 22.52 | 0.33 | 4.47 | . | 0.33 | 21.36 | 1 | 3 | 5 | . | . | . | . | 1 | . | 2.5 Poly | |
| MDCB-47 | 6159.1 | 1.87 | 14 | 16.24 | 26.20 | 0.37 | . | 0.00 | 2.21 | 3 | 1 | 3 | . | . | . | . | 1 | . | 2.0 Poly | |
| MDCB-48 | 5318.2 | 1.64 | 9 | 13.68 | 12.39 | 0.00 | 0.00 | 0.00 | 1.28 | 3 | . | . | . | . | . | 5 | . | 5 | 4.3 TF | |
| MDCB-49 | 1159.1 | 2.57 | 13 | 37.25 | 0.00 | 3.92 | . | 0.00 | 11.76 | 3 | 3 | 3 | . | . | . | . | 1 | . | 2.5 Poly | |
| MDCB-50 | 5772.7 | 3.01 | 22 | 42.52 | 0.79 | 1.57 | . | 4.33 | 9.84 | 3 | 3 | 5 | . | . | . | . | 3 | . | 3.5 Poly | |
| MDCB-51 | 16818.1 | 2.41 | 31 | 25.27 | 0.68 | 18.78 | . | 1.89 | 82.03 | 1 | 3 | 5 | . | . | . | . | 3 | . | 3.0 Poly | |
| MDCB-52 | 15363.6 | 3.28 | 34 | 53.99 | 0.59 | 29.14 | . | 1.33 | 40.24 | 1 | 5 | 5 | . | . | . | . | 3 | . | 3.5 Poly | |
| MDCB-53 | 13227.2 | 2.40 | 22 | 29.55 | 2.92 | 12.20 | . | 0.69 | 77.32 | 1 | 3 | 5 | . | . | . | . | 3 | . | 3.0 Poly | |
| MDCB-54 | 9954.5 | 3.88 | 39 | 56.39 | 0.23 | 15.07 | . | 7.08 | 34.93 | 1 | 5 | 5 | . | . | . | . | 3 | . | 3.5 Poly | |

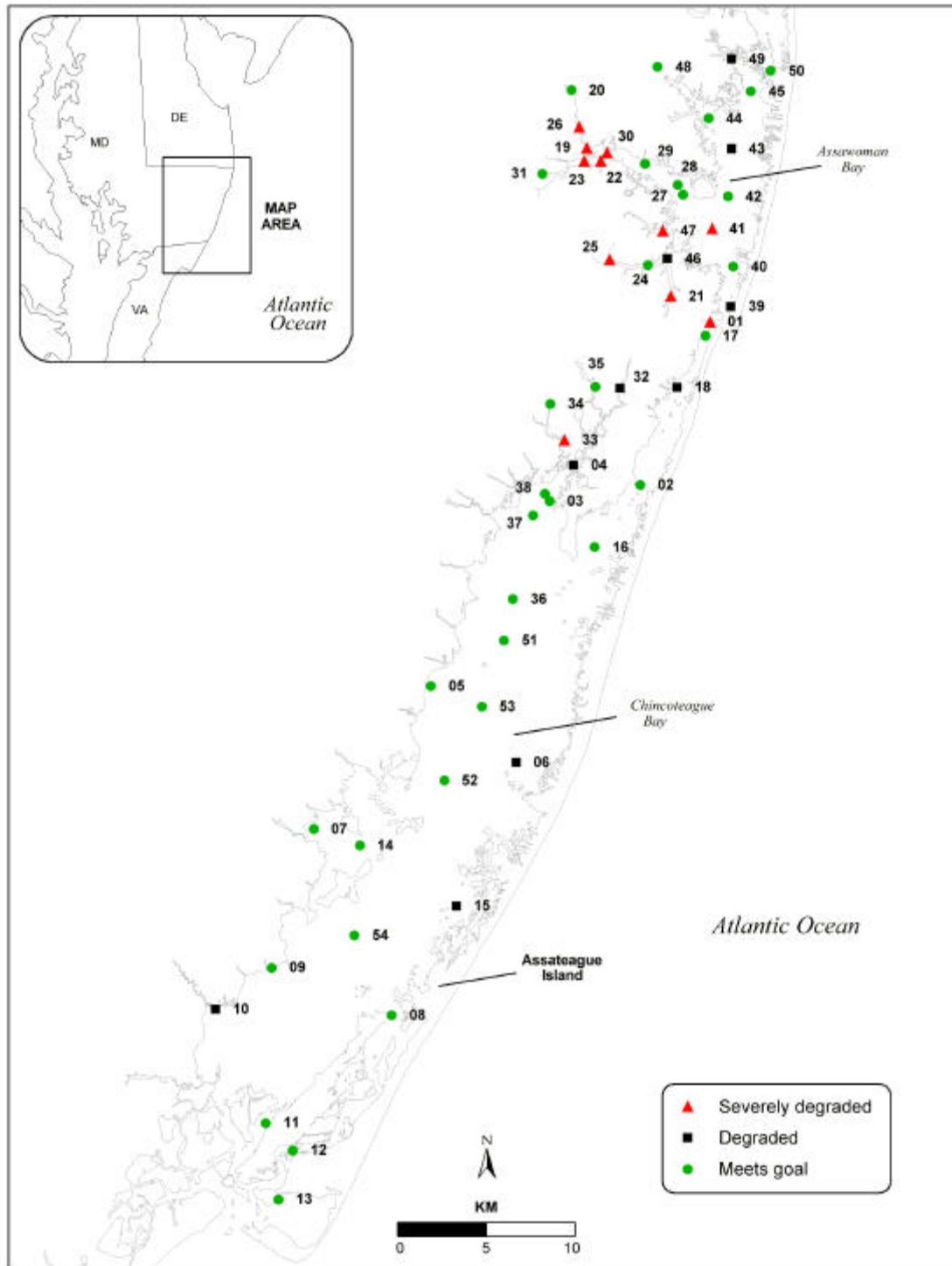


Figure 2. Benthic Community condition at each of the August 2001 Coastal Bays sites

Table 3. Site specific water quality measurements and sediment composition

| Station | DNR Station | Sampling | | Silt-Clay (%) | Depth (m) | Temp (°C) | pH | DO Conc (mg/L) | Salinity (psu) |
|---------|-------------|----------|--------------|---------------|-----------|-----------|------|----------------|----------------|
| | | Date | Time (hh:mm) | | | | | | |
| MDCB-01 | NPS 01 | 8/2/01 | 8:53 | 35.80 | 0.5 | 22.67 | 7.67 | 6.20 | 30.38 |
| | | | | | 4.3 | 21.66 | 7.77 | 6.81 | 30.54 |
| MDCB-02 | NPS 02 | 8/3/01 | 11:40 | 2.97 | 0.5 | 24.80 | 7.97 | 6.33 | 30.48 |
| | | | | | 2.5 | 24.76 | 7.97 | 6.48 | 30.47 |
| MDCB-03 | NPS 03 | 8/9/01 | 10:57 | 9.76 | 0.5 | 30.22 | 8.01 | 6.19 | 28.90 |
| | | | | | 1.5 | 29.81 | 7.89 | 5.40 | 30.04 |
| MDCB-04 | NPS 04 | 8/9/01 | 9:40 | 79.40 | 0.5 | 29.84 | 7.69 | 4.95 | 25.39 |
| | | | | | 1.0 | 29.72 | 7.68 | 4.90 | 25.55 |
| MDCB-05 | NPS 05 | 8/9/01 | 12:29 | 91.36 | 0.5 | 29.78 | 8.00 | 6.89 | 30.25 |
| | | | | | 2.2 | 28.06 | 7.75 | 3.89 | 30.28 |
| MDCB-06 | NPS 06 | 8/6/01 | 14:47 | 13.41 | 0.5 | 27.72 | 8.17 | 8.82 | 32.35 |
| | | | | | 3.0 | 26.05 | 8.17 | 7.72 | 32.31 |
| MDCB-07 | NPS 07 | 8/9/01 | 14:08 | 94.00 | 0.5 | 31.43 | 7.91 | 7.71 | 31.65 |
| | | | | | 1.5 | 31.28 | 7.89 | 7.43 | 31.66 |
| MDCB-08 | NPS 08 | 8/10/01 | 10:18 | 27.67 | 0.5 | 29.51 | 7.85 | 5.03 | 31.36 |
| | | | | | 1.0 | 29.51 | 7.85 | 5.07 | 31.37 |
| MDCB-09 | NPS 09 | 8/8/01 | 9:11 | 51.90 | 0.5 | 27.81 | 7.65 | 5.94 | 31.66 |
| | | | | | 1.3 | 27.79 | 7.62 | 5.95 | 31.47 |
| MDCB-10 | NPS 10 | 8/8/01 | 9:54 | 74.79 | 0.5 | 28.43 | 7.81 | 6.43 | 30.55 |
| | | | | | 1.5 | 28.30 | 7.82 | 6.41 | 30.85 |
| MDCB-11 | NPS 11 | 8/8/01 | 11:12 | 3.91 | 0.5 | 27.42 | 7.88 | 6.70 | 31.13 |
| | | | | | 2.0 | 27.43 | 7.89 | 6.71 | 31.14 |
| MDCB-12 | NPS 12 | 8/8/01 | 13:17 | 11.41 | 0.5 | 27.46 | 7.84 | 6.85 | 31.11 |
| | | | | | 3.0 | 27.17 | 7.82 | 6.61 | 31.05 |
| MDCB-13 | NPS 13 | 8/8/01 | 12:08 | 3.36 | 0.5 | 28.00 | 7.88 | 7.32 | 31.00 |
| | | | | | 1.5 | 26.74 | 7.84 | 6.80 | 30.99 |
| MDCB-14 | NPS 14 | 8/9/01 | 13:22 | 65.31 | 0.5 | 30.38 | 7.87 | 6.91 | 32.21 |
| | | | | | 2.0 | 30.33 | 7.87 | 6.90 | 32.19 |
| MDCB-15 | NPS 15 | 8/10/01 | 9:03 | 5.79 | 0.5 | 29.53 | 8.30 | 6.49 | 32.70 |
| | | | | | 2.4 | 29.52 | 8.26 | 6.47 | 32.53 |
| MDCB-16 | NPS 16 | 8/6/01 | 12:06 | 14.00 | 0.5 | 27.03 | 7.90 | 7.30 | 30.74 |
| | | | | | 2.4 | 26.20 | 7.89 | 6.75 | 30.75 |
| MDCB-17 | NPS 17 | 8/3/01 | 9:40 | 1.97 | 0.5 | 23.52 | 7.86 | 6.62 | 30.73 |
| | | | | | 3.5 | 21.28 | 7.74 | 6.31 | 30.81 |
| MDCB-18 | NPS 18 | 8/3/01 | 10:39 | 1.16 | 0.5 | 24.73 | 7.97 | 6.43 | 30.70 |
| | | | | | 1.0 | 24.71 | 7.97 | 6.60 | 30.68 |
| MDCB-19 | BHS0008 | 8/7/01 | 12:04 | 66.96 | 0.5 | 29.23 | 8.04 | 7.14 | 22.18 |
| | 1.0 | | | | 28.50 | 7.87 | 5.97 | 23.15 | |
| MDCB-20 | BSH0030 | 8/16/01 | 11:23 | 5.97 | 0.5 | 24.40 | 6.85 | 8.61 | 0.20 |

Table 3. (Continued)

| Station | DNR Station | Sampling | | Silt-Clay (%) | Depth (m) | Temp (°C) | pH | DO Conc (mg/L) | Salinity (psu) |
|---------|-------------|----------|--------------|---------------|-----------|-----------|------|----------------|----------------|
| | | Date | Time (hh:mm) | | | | | | |
| MDCB-21 | HEC0012 | 8/1/01 | 11:38 | 78.30 | 0.5 | 26.52 | 7.46 | 6.37 | 23.31 |
| | | | | | 1.0 | 26.37 | 7.43 | 6.38 | 23.58 |
| MDCB-22 | SPR0002 | 8/7/01 | 13:52 | 74.49 | 0.5 | 30.58 | 8.23 | 9.72 | 22.52 |
| | | | | | 1.7 | 29.82 | 8.16 | 8.63 | 22.95 |
| MDCB-23 | SPR0009 | 8/7/01 | 13:07 | 70.22 | 0.5 | 30.81 | 8.34 | 10.94 | 20.09 |
| | | | | | 1.2 | 28.90 | 7.89 | 6.55 | 22.99 |
| MDCB-24 | TUV0019 | 8/1/01 | 10:51 | 69.57 | 0.5 | 25.29 | 7.86 | 8.35 | 20.71 |
| | | | | | 1.7 | 25.14 | 7.59 | 7.02 | 24.28 |
| MDCB-25 | TUV0034 | 8/16/01 | 15:35 | 23.15 | 0.5 | 28.68 | 7.72 | 6.87 | 13.69 |
| | | | | | 1.0 | 28.49 | 7.66 | 7.07 | 14.10 |
| MDCB-26 | XDM4486 | 8/7/01 | 11:18 | 56.31 | 0.5 | 29.67 | 8.06 | 7.28 | 19.06 |
| | | | | | 1.0 | 29.29 | 7.74 | 4.47 | 21.08 |
| MDCB-27 | XDN3527 | 8/2/01 | 15:17 | 90.24 | 0.5 | 26.54 | 8.01 | 7.52 | 25.93 |
| | | | | | 3.2 | 24.73 | 7.79 | 6.82 | 27.57 |
| MDCB-28 | XDN3724 | 8/7/01 | 10:15 | 87.06 | 0.5 | 27.73 | 7.94 | 6.30 | 26.30 |
| | | | | | 2.5 | 27.34 | 7.74 | 5.13 | 26.76 |
| MDCB-29 | XDN4312 | 8/7/01 | 14:55 | 81.35 | 0.5 | 29.82 | 8.15 | 9.06 | 24.11 |
| | | | | | 2.0 | 27.96 | 7.88 | 7.11 | 26.04 |
| MDCB-30 | XDN4797 | 8/7/01 | 14:29 | 71.05 | 0.5 | 31.29 | 8.21 | 9.00 | 22.65 |
| | | | | | 1.5 | 28.25 | 7.86 | 6.41 | 24.59 |
| MDCB-31 | BIH0009 | 8/16/01 | 13:47 | 1.33 | 0.5 | 22.08 | 6.78 | 9.45 | 0.17 |
| MDCB-32 | AYR0017 | 8/16/01 | 16:45 | 3.22 | 0.5 | 31.29 | 8.36 | 9.06 | 12.22 |
| MDCB-33 | NPC0012 | 8/16/01 | 18:46 | 20.84 | 0.5 | 30.30 | 8.06 | 4.51 | 19.16 |
| | | | | | 1.0 | 30.23 | 7.98 | 4.21 | 19.21 |
| MDCB-34 | NPC0031 | 8/16/01 | 18:25 | 15.54 | 0.5 | 31.24 | 7.92 | 5.59 | 3.52 |
| MDCB-35 | TRC0043 | 8/16/01 | 17:35 | 8.22 | 0.5 | 31.55 | 8.68 | 8.33 | 8.90 |
| MDCB-36 | XCM1562 | 8/9/01 | 8:56 | 32.35 | 0.5 | 29.07 | 7.87 | 5.87 | 30.06 |
| | | | | | 2.5 | 29.00 | 7.81 | 5.54 | 29.87 |
| MDCB-37 | XCM3367 | 8/9/01 | 11:37 | 89.53 | 0.5 | 29.88 | 8.01 | 6.66 | 30.09 |
| | | | | | 1.5 | 29.21 | 7.85 | 4.91 | 30.42 |
| MDCB-38 | XCM4878 | 8/9/01 | 10:19 | 85.45 | 0.5 | 29.73 | 7.98 | 6.24 | 28.70 |
| | | | | | 2.3 | 29.59 | 7.91 | 5.29 | 30.03 |
| MDCB-39 | XDN0146 | 8/2/01 | 10:08 | 1.21 | 0.5 | 21.42 | 7.79 | 7.08 | 30.69 |
| | | | | | 2.0 | 21.43 | 7.80 | 7.10 | 30.69 |

Table 3. (Continued)

| Station | DNR Station | Sampling | | Silt-Clay (%) | Depth (m) | Temp (°C) | pH | DO Conc (mg/L) | Salinity (psu) |
|---------|-------------|----------|--------------|---------------|-----------|-----------|------|----------------|----------------|
| | | Date | Time (hh:mm) | | | | | | |
| MDCB-40 | XDN2438 | 8/2/01 | 10:59 | 1.60 | 0.5 | 23.27 | 7.86 | 7.84 | 30.17 |
| | | | | | 3.4 | 22.29 | 7.85 | 7.64 | 30.48 |
| MDCB-41 | XDN2340 | 8/2/01 | 14:29 | 56.02 | 0.5 | 25.42 | 8.02 | 8.53 | 28.49 |
| | | | | | 2.5 | 25.02 | 7.93 | 8.19 | 28.63 |
| MDCB-42 | XDN3445 | 8/2/01 | 13:44 | 16.48 | 0.5 | 25.24 | 7.95 | 8.02 | 27.94 |
| | | | | | 3.3 | 24.22 | 7.87 | 7.51 | 28.04 |
| MDCB-43 | XDN4851 | 8/1/01 | 13:34 | 61.80 | 0.5 | 25.19 | 8.03 | 8.68 | 27.44 |
| | | | | | 2.5 | 23.55 | 7.88 | 7.29 | 27.91 |
| MDCB-44 | XDN5737 | 8/2/01 | 11:49 | 91.65 | 0.5 | 25.85 | 7.94 | 7.82 | 26.67 |
| | | | | | 2.0 | 24.77 | 7.90 | 7.32 | 26.88 |
| MDCB-45 | XDN6454 | 8/1/01 | 14:21 | 78.94 | 0.5 | 24.88 | 8.02 | 8.59 | 26.65 |
| | | | | | 2.1 | 23.84 | 7.93 | 7.93 | 26.88 |
| MDCB-46 | TUV0011 | 8/1/01 | 12:29 | 80.60 | 0.5 | 25.75 | 7.60 | 7.22 | 24.68 |
| | | | | | 1.7 | 25.01 | 7.56 | 6.52 | 26.62 |
| MDCB-47 | MKL0010 | 8/7/01 | 9:34 | 88.77 | 0.5 | 26.96 | 7.70 | 5.22 | 28.40 |
| | | | | | 4.7 | 26.23 | 7.33 | 3.34 | 28.44 |
| MDCB-48 | GET0005 | 8/16/01 | 11:52 | 10.93 | 0.5 | 21.65 | 6.74 | 7.33 | 0.25 |
| MDCB-49 | XDN7545 | 8/2/01 | 12:37 | 79.53 | 0.5 | 27.09 | 7.88 | 7.92 | 25.19 |
| | | | | | 1.5 | 25.64 | 7.83 | 7.24 | 25.86 |
| MDCB-50 | XDN7261 | 8/1/01 | 15:39 | 1.25 | 0.5 | 25.72 | 8.00 | 8.69 | 25.48 |
| | | | | | 5.1 | 25.74 | 8.00 | 8.83 | 25.52 |
| MDCB-51 | XCM0159 | 8/6/01 | 12:53 | 14.89 | 0.5 | 28.40 | 8.00 | 8.20 | 29.82 |
| | | | | | 2.7 | 25.97 | 7.93 | 6.92 | 30.24 |
| MDCB-52 | XBM8149 | 8/6/01 | 15:35 | 6.32 | 0.5 | 27.37 | 7.98 | 8.68 | 32.09 |
| | | | | | 2.5 | 26.95 | 7.94 | 7.97 | 32.11 |
| MDCB-53 | XBM5932 | 8/6/01 | 13:52 | 89.92 | 0.5 | 27.97 | 8.07 | 8.36 | 30.88 |
| | | | | | 3.0 | 25.57 | 7.85 | 5.47 | 30.69 |
| MDCB-54 | XBM1301 | 8/8/01 | 15:41 | 14.89 | 0.5 | 29.30 | 8.08 | 7.19 | 33.45 |
| | | | | | 2.5 | 29.11 | 8.06 | 7.06 | 33.44 |

Three of the 2001 degraded sites, Sta.04, 32, and 33, had higher salinity in 2001 than in 2000. Sta. 04 and 33 were classified as polyhaline in 2001 (psu = 25.6 and 19.2, respectively) but as low mesohaline in 2000 (psu = 10.7 and 6.6). Sta. 32 was classified as high mesohaline in 2001 (psu = 12.2) but as oligohaline (psu = 1.2) in 2000. If the index were calculated using the metrics corresponding to the lower salinity classes of 2000, all three sites would meet the goal in 2001. The results for these three sites should therefore be interpreted with caution because strong shifts in salinity at these locations, presumably influenced by variable freshwater inputs, may determine the outcome of the

index. Regions subjected to large environmental fluctuations are best monitored over time to assess the long-term response of the community and the relative influence of anthropogenic factors over the natural range of variability.

Also, the result for Station 20 (index score= 3.7, meets goal) should be interpreted with caution. Although the deep-deposit feeding metric and the Tanypodinae-Chironomidae abundance ratio metric scored in the good range, the community at this site was represented by only one species in 2001, which suggests impoverishment of the community and possibly polluted conditions. The MAIA index shows a very good performance in the mesohaline to polyhaline salinity range (Llansó et al., in press), but a high rate of misclassification in the tidal freshwater.

The reason for the increased level of benthic community degradation in the Maryland coastal bays in 2001 relative to 2000 appeared to be an overall increase in abundance of organisms in polyhaline habitats, with many sites failing the index because of excess abundance. Half (48.9%) of the polyhaline sites sampled in 2001 scored 1 for abundance as a result of high densities of organisms ranging from ~ 10,000 to 40,000 individuals per m². Most of these sites were heavily dominated by polychaetes and amphiliscid amphipods (see Appendix). The same taxa were present in 2000, but did not reach such large densities. We can only speculate about the reasons for this bloom of organisms, but favorable conditions in 2001 leading to eutrophication and organic enrichment of the sediment cannot be ruled out.

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APPENDIX

SPECIES ABUNDANCES

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-01 | | |
|---|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta Oligochaeta | 25 | 568.18000 |
| Annelida : Polychaeta Capitella capitata complex | 35 | 795.45200 |
| Meditomastus spp. | 3 | 68.18160 |
| Polydora cornuta | 20 | 454.54400 |
| Streblospio benedicti | 29 | 659.08880 |
| Tharyx sp. A Morris | 185 | 4204.5320 |
| Arthropoda : Amphipoda Ampelisca abdita | 1 | 22.72720 |
| Arthropoda : Decapoda Thalassinidea | 1 | 22.72720 |
| Upogebia affinis | 1 | 22.72720 |
| Mollusca : Bivalvia Tellina agilis | 1 | 22.72720 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

STATION : MDCB-02

| TAXA | Count | Abundance (#/m2) |
|-------------------------------|-------|------------------|
| Annelida : Oligochaeta | | |
| Oligochaeta | 230 | 5227. 2560 |
| Annelida : Polychaeta | | |
| Arabella iricolor | 1 | 22. 72720 |
| Brania wellfleetensis | 56 | 1272. 7232 |
| Capitella capitata complex | 2 | 45. 45440 |
| Clymenella torquata | 27 | 613. 63440 |
| Demonax microphthalmus | 2 | 45. 45440 |
| Diopatra cuprea | 1 | 22. 72720 |
| Exogone dispar | 8 | 181. 81760 |
| Glycera americana | 1 | 22. 72720 |
| Glycinde solitaria | 6 | 136. 36320 |
| Leitoscoloplos robustus | 1 | 22. 72720 |
| Macrolymene zonalis | 12 | 272. 72640 |
| Malodidae | 1 | 22. 72720 |
| Mediomastus ambiseta | 15 | 340. 90800 |
| Mediomastus spp. | 39 | 886. 36080 |
| Melimna maculata | 2 | 45. 45440 |
| Orbiniidae | 1 | 22. 72720 |
| Parapiinosyllis longicirrata | 68 | 1545. 4496 |
| Phylloodoce arenae | 2 | 45. 45440 |
| Pista cristata | 4 | 90. 90880 |
| Podarkeopsis levifuscina | 1 | 22. 72720 |
| Scoletoma tenuis | 3 | 68. 18160 |
| Sphaerosyllis brevidentata | 17 | 386. 36240 |
| Spiophanes bombyx | 1 | 22. 72720 |
| Spirorbis corrugatus | 16 | 363. 63520 |
| Streblospio benedicti | 2 | 45. 45440 |
| Streptosyllis pettiboneae | 14 | 318. 18080 |
| Arthropoda : Amphipoda | | |
| Ampelisca abdita | 83 | 1886. 3576 |
| Ampelisca spp. | 13 | 295. 45360 |
| Ampelisca vadorum | 54 | 1227. 2688 |
| Ampelisca verrilli | 38 | 863. 63360 |
| Batea catharinensis | 31 | 704. 54320 |
| Caprella penantis | 19 | 431. 81680 |
| Cerapus tubularis | 2 | 45. 45440 |
| Dulichiella appendiculata | 43 | 977. 26960 |
| Elasmopus laevis | 98 | 2227. 2656 |
| Eobrolgus spinosus | 11 | 249. 99920 |
| Eriichthius brasiliensis | 12 | 272. 72640 |
| Globosolobos smithi | 1 | 22. 72720 |
| Jassa marmorata | 1 | 22. 72720 |
| Listrella barnardi | 4 | 90. 90880 |
| Lysianopsis alba | 4 | 90. 90880 |
| Monocorophium tuberculatum | 1 | 22. 72720 |
| Paracaprella tenuis | 84 | 1909. 0848 |
| Stenothoe georgiana | 210 | 4772. 7120 |
| Unciola serrata | 2 | 45. 45440 |
| Arthropoda : Isopoda | | |
| Cyathura burbancki | 6 | 136. 36320 |
| Erichsonella filiformis | 48 | 1090. 9056 |
| Paracerceis caudata | 2 | 45. 45440 |
| Arthropoda : Pycnogonida | | |
| Achelia spinosa | 1 | 22. 72720 |
| Callipallene brevirostris | 10 | 227. 27200 |
| Arthropoda : Tanaidacea | | |
| Hargeria rapax | 1 | 22. 72720 |
| Cnidaria : Anthozoa | | |
| Anthozoa | 2 | 45. 45440 |
| Echinodermata : Holothuroidea | | |
| Leptosynapta tenuis | 2 | 45. 45440 |
| Mollusca : Bivalvia | | |
| Aligena elevata | 1 | 22. 72720 |
| Gemma gemma | 30 | 681. 81600 |
| Macoma tenta | 1 | 22. 72720 |
| Solemya velum | 3 | 68. 18160 |
| Tagelus divisus | 10 | 227. 27200 |
| Mollusca : Gastropoda | | |
| Acteocina canaliculata | 1 | 22. 72720 |
| Crepidula spp. | 1 | 22. 72720 |
| Haminaea solitaria | 1 | 22. 72720 |
| Nemertinea | | |
| Nemertina | 35 | 795. 45200 |
| Phoronida | | |
| Phoronis spp. | 1 | 22. 72720 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-03 | | |
|------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 54 | 1227. 2688 |
| Annelida : Polychaeta | | |
| Branchia clavata | 4 | 90. 90880 |
| Clymenella torquata | 6 | 136. 36320 |
| Diopatra cuprea | 1 | 22. 72720 |
| Exogone dispar | 21 | 477. 27120 |
| Glycera americana | 1 | 22. 72720 |
| Glycinde solitaria | 6 | 136. 36320 |
| Leitoscoloplos robustus | 1 | 22. 72720 |
| Macrolymene zonalis | 18 | 409. 08960 |
| Maldividae | 2 | 45. 45440 |
| Mediomastus ambisetosa | 97 | 2204. 5384 |
| Mediomastus spp. | 90 | 2045. 4480 |
| Melimna maculata | 3 | 68. 18160 |
| Notomastus sp. A Ewing | 4 | 90. 90880 |
| Podarkeopsis levi fuscina | 3 | 68. 18160 |
| Scoletoma tenuis | 2 | 45. 45440 |
| Sphaerosyllis brevidentata | 7 | 159. 09040 |
| Spiochaetopterus costarum | 3 | 68. 18160 |
| Streblospio benedicti | 16 | 363. 63520 |
| Arthropoda : Amphipoda | | |
| Ameroculodes species complex | 3 | 68. 18160 |
| Ampelisca abdita | 39 | 886. 36080 |
| Ampelisca spp. | 21 | 477. 27120 |
| Ampelisca vadorum | 10 | 227. 27200 |
| Ampelisca verrilli | 15 | 340. 90800 |
| Elasmopus laevis | 2 | 45. 45440 |
| Eobrolgus spinosus | 3 | 68. 18160 |
| Eriichthius brasiliensis | 1 | 22. 72720 |
| Listrella barnardi | 9 | 204. 54480 |
| Microprotopus raneyi | 12 | 272. 72640 |
| Monocorophium tuberculatum | 26 | 590. 90720 |
| Unciola serrata | 3 | 68. 18160 |
| Arthropoda : Cumacea | | |
| Leucon americanus | 1 | 22. 72720 |
| Oxyurostylis smithi | 2 | 45. 45440 |
| Arthropoda : Isopoda | | |
| Cyathura burbancki | 11 | 249. 99920 |
| Edotea triloba | 13 | 295. 45360 |
| Mollusca : Bivalvia | | |
| Macoma tenta | 1 | 22. 72720 |
| Solemya velum | 3 | 68. 18160 |
| Tagelus divisus | 6 | 136. 36320 |
| Mollusca : Gastropoda | | |
| Acteon canaliculata | 2 | 45. 45440 |
| Nassarius vibex | 1 | 22. 72720 |
| Ricciaria punctostriatus | 2 | 45. 45440 |
| Nemertinea | | |
| Nemertina | 1 | 22. 72720 |
| Phoronida | | |
| Phoronis spp. | 2 | 45. 45440 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-04 | | |
|----------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 22 | 499. 99840 |
| Annelida : Polychaeta | | |
| Clymenella torquata | 1 | 22. 72720 |
| Exogone dispar | 6 | 136. 36320 |
| Glycera americana | 1 | 22. 72720 |
| Glycinde solitaria | 8 | 181. 81760 |
| Heteromastus filiformis | 2 | 45. 45440 |
| Leitoscoloplos spp. | 1 | 22. 72720 |
| Mediomastus ambisetosa | 49 | 1113. 6328 |
| Mediomastus spp. | 53 | 1204. 5416 |
| Melimna maculata | 26 | 590. 90720 |
| Podarkeopsis levi fuscina | 3 | 68. 18160 |
| Pri onospio heterobranchia | 2 | 45. 45440 |
| Sabaco elongatus | 12 | 272. 72640 |
| Sphaerosyllis brevidentata | 3 | 68. 18160 |
| Spiochaetopterus costarum | 3 | 68. 18160 |
| Streblospio benedicti | 28 | 636. 36160 |
| Tharyx sp. A Morris | 1 | 22. 72720 |
| Arthropoda : Amphipoda | | |
| Ampelisca abdita | 598 | 13590. 866 |
| Ampelisca spp. | 71 | 1613. 6312 |
| Ampelisca vadorum | 10 | 227. 27200 |
| Apocorophium simile | 1 | 22. 72720 |
| Listriella barnardi | 40 | 909. 08800 |
| Lysianopsis alba | 1 | 22. 72720 |
| Monocorophium tuberculatum | 13 | 295. 45360 |
| Arthropoda : Crustacea | | |
| Chiromyidae | 1 | 22. 72720 |
| Arthropoda : Cumacea | | |
| Leucon americanus | 3 | 68. 18160 |
| Arthropoda : Isopoda | | |
| Cyathura burbancki | 1 | 22. 72720 |
| Edotea triloba | 24 | 545. 45280 |
| Mollusca : Gastropoda | | |
| Ricciaria punctostriatus | 4 | 90. 90880 |
| Nemertinea | | |
| Nemertina | 4 | 90. 90880 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-05 | | |
|-------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 21 | 477. 27120 |
| Annelida : Polychaeta | | |
| Carazzella hobsonae | 1 | 22. 72720 |
| Ceratonereis irritabilis | 1 | 22. 72720 |
| Clymenella torquata | 5 | 113. 63600 |
| Exogone dispar | 5 | 113. 63600 |
| Glycinde solitaria | 3 | 68. 18160 |
| Leitoscoloplos spp. | 1 | 22. 72720 |
| Macroclymene zonalis | 11 | 249. 99920 |
| Mediomastus ambi seta | 6 | 136. 36320 |
| Mediomastus spp. | 332 | 7545. 4304 |
| Melinna maculata | 2 | 45. 45440 |
| Notomastus sp. A Ewing | 8 | 181. 81760 |
| Parapriionospio pinnata | 6 | 136. 36320 |
| Podarkeopsis levifuscina | 3 | 68. 18160 |
| Sabaco elongatus | 3 | 68. 18160 |
| Scoletoma tenuis | 6 | 136. 36320 |
| Sphaerosyllis brevidentata | 1 | 22. 72720 |
| Arthropoda : Amphipoda | | |
| Ampelisca abdita | 314 | 7136. 3408 |
| Ampelisca verrilli | 1 | 22. 72720 |
| Erichthionius brasiliensis | 4 | 90. 90880 |
| Leptocheirus plumulosus | 1 | 22. 72720 |
| Listrella barnardi | 16 | 363. 63520 |
| Monocorophium tuberculatum | 18 | 409. 08960 |
| Unciola serrata | 2 | 45. 45440 |
| Arthropoda : Cumacea | | |
| Leucon americanus | 20 | 454. 54400 |
| Arthropoda : Isopoda | | |
| Cyathura burbancki | 4 | 90. 90880 |
| Edotea triloba | 1 | 22. 72720 |
| Echinodermata : Holothuroidea | | |
| Pentamera pulcherrima | 1 | 22. 72720 |
| Mollusca : Bivalvia | | |
| Bivalvia | 1 | 22. 72720 |
| Macoma tenta | 1 | 22. 72720 |
| Tagelus divisus | 2 | 45. 45440 |
| Mollusca : Gastropoda | | |
| Gastropoda | 2 | 45. 45440 |
| Turbonilla spp. | 8 | 181. 81760 |
| Nemertinea | | |
| Nemertina | 2 | 45. 45440 |
| Phoronida | | |
| Phoronis spp. | 1 | 22. 72720 |
| Platyhelminthes : Turbellaria | | |
| Turbellaria | 1 | 22. 72720 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-06 | | |
|-------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 114 | 2590. 9008 |
| Annelida : Polychaeta | | |
| Cabira incerta | 1 | 22. 72720 |
| Capitella capitata complex | 1 | 22. 72720 |
| Ceratonereis irritabilis | 3 | 68. 18160 |
| Clymenella torquata | 18 | 409. 08960 |
| Demonax microphthalmus | 1 | 22. 72720 |
| Diopatra cuprea | 5 | 113. 63600 |
| Exogone dispar | 17 | 386. 36240 |
| Glycera americana | 4 | 90. 90880 |
| Glycinde solitaria | 13 | 295. 45360 |
| Heteromastus filiformis | 1 | 22. 72720 |
| Macrolymene zonalis | 12 | 272. 72640 |
| Mal daniidae | 1 | 22. 72720 |
| Mediomastus ambisetosa | 109 | 2477. 2648 |
| Mediomastus californiensis | 3 | 68. 18160 |
| Mediomastus spp. | 596 | 13545. 411 |
| Melimna maculata | 8 | 181. 81760 |
| Notomastus sp. A Ewing | 6 | 136. 36320 |
| Odontosyllis fulgurans | 2 | 45. 45440 |
| Parapriionospio pinnata | 3 | 68. 18160 |
| Podarkeopsis levi fuscina | 3 | 68. 18160 |
| Sabaco elongatus | 3 | 68. 18160 |
| Scolepius bousfieldi | 1 | 22. 72720 |
| Sphaerosyllis brevidentata | 2 | 45. 45440 |
| Spirorbis corrugatus | 6 | 136. 36320 |
| Streblospio benedicti | 4 | 90. 90880 |
| Arthropoda : Amphipoda | | |
| Americanchelidium americanum | 3 | 68. 18160 |
| Ampelisca abdita | 377 | 8568. 1544 |
| Ampelisca spp. | 265 | 6022. 7080 |
| Ampelisca vadorum | 51 | 1159. 0872 |
| Ampelisca verrilli | 23 | 522. 72560 |
| Elasmopus laevis | 38 | 863. 63360 |
| Listriella barnardi | 13 | 295. 45360 |
| Lysianopsis alba | 2 | 45. 45440 |
| Monocorophium acherusium | 4 | 90. 90880 |
| Monocorophium tuberculatum | 31 | 704. 54320 |
| Paracaprella tenuis | 1 | 22. 72720 |
| Arthropoda : Isopoda | | |
| Cyathura burbancki | 15 | 340. 90800 |
| Edotea triloba | 1 | 22. 72720 |
| Cnidaria : Anthozoa | | |
| Ceriantheopsis americanus | 1 | 22. 72720 |
| Echinodermata : Holothuroidea | | |
| Leptosynapta tenuis | 1 | 22. 72720 |
| Mollusca : Bivalvia | | |
| Bivalvia | 1 | 22. 72720 |
| Mercenaria mercenaria | 1 | 22. 72720 |
| Solemya velum | 2 | 45. 45440 |
| Tagelus divisus | 2 | 45. 45440 |
| Tellina agilis | 1 | 22. 72720 |
| Mollusca : Gastropoda | | |
| Acteonina canaliculata | 1 | 22. 72720 |
| Gastropoda | 2 | 45. 45440 |
| Turbanilla interrupta | 2 | 45. 45440 |
| Nemertinea | | |
| Nemertina | 2 | 45. 45440 |
| Phoronida | | |
| Phoronis spp. | 10 | 227. 27200 |
| Platyhelminthes : Turbellaria | | |
| Turbellaria | 1 | 22. 72720 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-07 | | |
|-------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 119 | 2704. 5368 |
| Annelida : Polychaeta | | |
| Eteone foliosa | 1 | 22. 72720 |
| Glycinde solitaria | 7 | 159. 09040 |
| Leitoscoloplos robustus | 4 | 90. 90880 |
| Leitoscoloplos spp. | 10 | 227. 27200 |
| Mediomastus ambiseta | 4 | 90. 90880 |
| Mediomastus spp. | 158 | 3590. 8976 |
| Melinna maculata | 2 | 45. 45440 |
| Monticellina dorsobranchialis | 4 | 90. 90880 |
| Notomastus sp. A Ewing | 38 | 863. 63360 |
| Parapriionospio pinnata | 1 | 22. 72720 |
| Podarkeopsis levi fuscina | 4 | 90. 90880 |
| Scoletoma tenuis | 11 | 249. 99920 |
| Sphaerosyllis brevidentata | 22 | 499. 99840 |
| Spiochaetopterus costarum | 2 | 45. 45440 |
| Streblospio benedicti | 206 | 4681. 8032 |
| Arthropoda : Amphipoda | | |
| Ampelisca abdita | 269 | 6113. 6168 |
| Listrella barnardi | 28 | 636. 36160 |
| Monocorophium tuberculatum | 1 | 22. 72720 |
| Arthropoda : Cumacea | | |
| Leucon americanus | 7 | 159. 09040 |
| Arthropoda : Isopoda | | |
| Cyathura burbancki | 8 | 181. 81760 |
| Edotea triloba | 4 | 90. 90880 |
| Mollusca : Bivalvia | | |
| Gemma gemma | 19 | 431. 81680 |
| Tagelus divisus | 2 | 45. 45440 |
| Nemertinea | | |
| Nemertina | 3 | 68. 18160 |
| Phoronida | | |
| Phoronis spp. | 1 | 22. 72720 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-08 | | |
|-------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 404 | 9181. 7888 |
| Annelida : Polychaeta | | |
| Arabellairicolor | 3 | 68. 18160 |
| Braniaclavata | 13 | 295. 45360 |
| Eumiasanguinea | 5 | 113. 63600 |
| Exogoneispar | 68 | 1545. 4496 |
| Heteromastusfiliformis | 16 | 363. 63520 |
| Leitoscoloplosrobustus | 2 | 45. 45440 |
| Leitoscoloplos, spp. | 1 | 22. 72720 |
| Marpophysasanguinea | 2 | 45. 45440 |
| Mediomastusambisetosa | 27 | 613. 63440 |
| Mediomastus, spp. | 102 | 2318. 1744 |
| Melimnamaculata | 1 | 22. 72720 |
| Microphtalmussczelkowi | 3 | 68. 18160 |
| Pherusaaffinis | 20 | 454. 54400 |
| Pista palmata | 7 | 159. 09040 |
| Pista, spp. | 1 | 22. 72720 |
| Polyclirruseximus | 14 | 318. 18080 |
| Polydoraornata | 1 | 22. 72720 |
| Prionospioheterobranchia | 133 | 3022. 7176 |
| Scoletomaenuis | 7 | 159. 09040 |
| Sphaerosyllisbrevidentata | 6 | 136. 36320 |
| Spirorbisrugatus | 4 | 90. 90880 |
| Streblospiobeneficti | 2 | 45. 45440 |
| Tharyxsp. A Morris | 24 | 545. 45280 |
| Arthropoda : Amphipoda | | |
| Ampeliscaabdominalis | 207 | 4704. 5304 |
| Ampelisca, spp. | 18 | 409. 08960 |
| Ampeliscavadorum | 2 | 45. 45440 |
| Cymadusacompta | 1 | 22. 72720 |
| Elasmopuslaevis | 2 | 45. 45440 |
| Eobrolgusspiniferus | 16 | 363. 63520 |
| Lysianopsisalba | 155 | 3522. 7160 |
| Microdeutopusgryllotalpa | 16 | 363. 63520 |
| Microprotopusraneyi | 1 | 22. 72720 |
| Arthropoda : Isopoda | | |
| Cyathuraurbanki | 28 | 636. 36160 |
| Erichsonellaattenuata | 1 | 22. 72720 |
| Paracerceiscaudata | 6 | 136. 36320 |
| Arthropoda : Tanaidacea | | |
| Hargeriarapax | 22 | 499. 99840 |
| Echinodermata : Holothuroidea | | |
| Leptosynaptetenius | 1 | 22. 72720 |
| Mollusca : Gastropoda | | |
| Crepidula, spp. | 1 | 22. 72720 |
| Gastropoda | 2 | 45. 45440 |
| Nemertinea | | |
| Nemertina | 5 | 113. 63600 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-09 | | |
|-------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 128 | 2909. 0816 |
| Annelida : Polychaeta | | |
| Arabellula iricolor | 1 | 22. 72720 |
| Aricidea catherinae | 2 | 45. 45440 |
| Cabiria incerta | 1 | 22. 72720 |
| Carazzella hobsonae | 52 | 1181. 8144 |
| Clymenella torquata | 1 | 22. 72720 |
| Diopatra cuprea | 1 | 22. 72720 |
| Exogone dispar | 8 | 181. 81760 |
| Glycera americana | 4 | 90. 90880 |
| Glycinde solitaria | 3 | 68. 18160 |
| Macrolymene zonalis | 16 | 363. 63520 |
| Mediomastus ambisetosa | 12 | 272. 72640 |
| Mediomastus californiensis | 5 | 113. 63600 |
| Mediomastus spp. | 277 | 6295. 4344 |
| Monticellina dorsobranchialis | 6 | 136. 36320 |
| Notomastus sp. A Ewing | 14 | 318. 18080 |
| Parapionosyllis longicirrata | 8 | 181. 81760 |
| Pista cristata | 4 | 90. 90880 |
| Podarkeopsis levifuscina | 1 | 22. 72720 |
| Scoletoma tenuis | 14 | 318. 18080 |
| Streblospio benedicti | 4 | 90. 90880 |
| Tharyx sp. A Morris | 1 | 22. 72720 |
| Arthropoda : Amphipoda | | |
| Ampelisca abdita | 810 | 18409. 032 |
| Ampelisca verrilli | 1 | 22. 72720 |
| Batea catharinensis | 24 | 545. 45280 |
| Caprella spp. | 1 | 22. 72720 |
| Cerapus tubularis | 13 | 295. 45360 |
| Elasmopus laevis | 10 | 227. 27200 |
| Globosolobos smithi | 3 | 68. 18160 |
| Listriella barnardi | 28 | 636. 36160 |
| Lysianopsis alba | 1 | 22. 72720 |
| Monocorophium acherusium | 24 | 545. 45280 |
| Monocorophium tuberculatum | 16 | 363. 63520 |
| Paracaprella tenuis | 4 | 90. 90880 |
| Uncinella serrata | 1 | 22. 72720 |
| Arthropoda : Decapoda | | |
| Dyspanopeus sayi | 3 | 68. 18160 |
| Arthropoda : Isopoda | | |
| Cyathura burbancki | 2 | 45. 45440 |
| Arthropoda : Mysidacea | | |
| Americamysis bigelowi | 2 | 45. 45440 |
| Mollusca : Bivalvia | | |
| Gemma gemma | 6 | 136. 36320 |
| Nucula proxima | 1 | 22. 72720 |
| Tagelus divisus | 8 | 181. 81760 |
| Nemertinea | | |
| Nemertina | 1 | 22. 72720 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB- 10 | | |
|-------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 40 | 909. 08800 |
| Annelida : Polychaeta | | |
| Arabellairicolor | 1 | 22. 72720 |
| Carazzielahobsonae | 8 | 181. 81760 |
| Exogoneispars | 1 | 22. 72720 |
| Glyceraamericana | 1 | 22. 72720 |
| Glycinde solitaria | 2 | 45. 45440 |
| Heteromastusfiliformis | 1 | 22. 72720 |
| Leitoscoloplos spp. | 1 | 22. 72720 |
| Macroclymenezonalis | 1 | 22. 72720 |
| Mediomastuscaliforniensis | 1 | 22. 72720 |
| Mediomastus spp. | 155 | 3522. 7160 |
| Melimna maculata | 1 | 22. 72720 |
| Monticellina dorsobranchialis | 37 | 840. 90640 |
| Notomastus sp. A Ewing | 1 | 22. 72720 |
| Parapriionospipinnata | 2 | 45. 45440 |
| Pista cristata | 2 | 45. 45440 |
| Sabaco elongatus | 7 | 159. 09040 |
| Scoletoma tenuis | 17 | 386. 36240 |
| Streblospiobeneficti | 16 | 363. 63520 |
| Arthropoda : Amphipoda | | |
| Ampeliscaabdominalis | 467 | 10613. 602 |
| Bateacatharinensis | 2 | 45. 45440 |
| Cymadusa compta | 1 | 22. 72720 |
| Listrinella barnardi | 34 | 772. 72480 |
| Monocorophiumtuberculatum | 4 | 90. 90880 |
| Arthropoda : Cumacea | | |
| Cyclaspis varians | 1 | 22. 72720 |
| Leuconamericanus | 24 | 545. 45280 |
| Arthropoda : Decapoda | | |
| Ogyridesalphaerostris | 1 | 22. 72720 |
| Arthropoda : Isopoda | | |
| Cyathura burbancki | 4 | 90. 90880 |
| Mollusca : Bivalvia | | |
| Tagelusdivisus | 1 | 22. 72720 |
| Tellinaagilis | 1 | 22. 72720 |
| Mollusca : Gastropoda | | |
| Crepidula spp. | 1 | 22. 72720 |
| Phoronida | | |
| Phoronis spp. | 2 | 45. 45440 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-11 | | |
|------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 147 | 3340. 8984 |
| Annelida : Polychaeta | | |
| Aporionospio pygmaea | 1 | 22. 72720 |
| Ariidea catherinae | 35 | 795. 45200 |
| Capitella capitata complex | 11 | 249. 99920 |
| Glycera americana | 1 | 22. 72720 |
| Marenzelleria viridis | 1 | 22. 72720 |
| Mediomastus ambiseta | 2 | 45. 45440 |
| Mediomastus californiensis | 1 | 22. 72720 |
| Mediomastus spp. | 1 | 22. 72720 |
| Priionospio heterobranchia | 1 | 22. 72720 |
| Scolepiis texana | 1 | 22. 72720 |
| Sthenelais boa | 1 | 22. 72720 |
| Streblospio benedicti | 11 | 249. 99920 |
| Tharyx sp. A Morris | 2 | 45. 45440 |
| Arthropoda : Amphipoda | | |
| Americhelidium americanum | 2 | 45. 45440 |
| Ameroculodes species complex | 1 | 22. 72720 |
| Ampelisca abdita | 1 | 22. 72720 |
| Ampelisca verrilli | 14 | 318. 18080 |
| Batea catharinensis | 2 | 45. 45440 |
| Paracaprella tenuis | 1 | 22. 72720 |
| Arthropoda : Cumacea | | |
| Oxyurostylis smithi | 3 | 68. 18160 |
| Arthropoda : Decapoda | | |
| Dyspanopeus sayi | 2 | 45. 45440 |
| Pinnixa spp. | 3 | 68. 18160 |
| Chordata : Cephalochordata | | |
| Branchiostoma caribaeum | 1 | 22. 72720 |
| Mollusca : Bivalvia | | |
| Mytilia lateralis | 1 | 22. 72720 |
| Solenaya velum | 3 | 68. 18160 |
| Tellina agilis | 4 | 90. 90880 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB- 12 | | |
|-------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 175 | 3977. 2600 |
| Annelida : Polychaeta | | |
| Aricidea catherinae | 1 | 22. 72720 |
| Capitella capitata complex | 12 | 272. 72640 |
| Clymenella torquata | 1 | 22. 72720 |
| Diopatra cuprea | 4 | 90. 90880 |
| Eteone heteropoda | 4 | 90. 90880 |
| Exogone dispar | 10 | 227. 27200 |
| Glycera americana | 1 | 22. 72720 |
| Glycinde solitaria | 2 | 45. 45440 |
| Leitoscoloplus spp. | 9 | 204. 54480 |
| Macroclymene zonalis | 1 | 22. 72720 |
| Mediomastus ambisetosa | 5 | 113. 63600 |
| Mediomastus spp. | 5 | 113. 63600 |
| Microphthalmus sczelkowi | 2 | 45. 45440 |
| Neanthes succinea | 2 | 45. 45440 |
| Notocirrus spiniferus | 1 | 22. 72720 |
| Parapionosyllis longicirrata | 5 | 113. 63600 |
| Phylloodoce arenae | 6 | 136. 36320 |
| Podarkeopsis levifusca | 9 | 204. 54480 |
| Polynoidae | 2 | 45. 45440 |
| Priionospio heterobranchia | 3 | 68. 18160 |
| Scoletoma tenuis | 1 | 22. 72720 |
| Spiochaetopterus costarum | 4 | 90. 90880 |
| Streblospio benedicti | 50 | 1136. 3600 |
| Syllides verrilli | 3 | 68. 18160 |
| Tharyx sp. A Morris | 4 | 90. 90880 |
| Arthropoda : Amphipoda | | |
| Ampelisca abdita | 6 | 136. 36320 |
| Ampelisca vadorum | 2 | 45. 45440 |
| Ampelisca verrilli | 2 | 45. 45440 |
| Batea catharinensis | 7 | 159. 09040 |
| Caprella spp. | 3 | 68. 18160 |
| Cymadusa compta | 15 | 340. 90800 |
| Dulichiella appendiculata | 6 | 136. 36320 |
| Elasmopus laevis | 23 | 522. 72560 |
| Ericthonius brasiliensis | 6 | 136. 36320 |
| Lembos websteri | 16 | 363. 63520 |
| Listriella barnardi | 3 | 68. 18160 |
| Lysianopsis alba | 7 | 159. 09040 |
| Melia nitida | 2 | 45. 45440 |
| Micropropodus raneyi | 3 | 68. 18160 |
| Arthropoda : Decapoda | | |
| Palaeomonetes spp. | 1 | 22. 72720 |
| Pinnixa spp. | 1 | 22. 72720 |
| Xanthidae | 3 | 68. 18160 |
| Arthropoda : Mysidacea | | |
| Amercamysis bigelowi | 1 | 22. 72720 |
| Cnidaria : Anthozoa | | |
| Anthozoa | 6 | 136. 36320 |
| Mollusca : Bivalvia | | |
| Arcidae | 1 | 22. 72720 |
| Macoma tenta | 1 | 22. 72720 |
| Solemya velum | 2 | 45. 45440 |
| Mollusca : Gastropoda | | |
| Gastropoda | 5 | 113. 63600 |
| Nemertinea | | |
| Nemertina | 1 | 22. 72720 |
| Platyhelminthes : Turbellaria | | |
| Turbellaria | 1 | 22. 72720 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB- 13 | | |
|-------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 16 | 363. 63520 |
| Annelida : Polychaeta | | |
| Ariciaea catherinae | 3 | 68. 18160 |
| Branchia wellfleetensis | 1 | 22. 72720 |
| Glycinde solitaria | 1 | 22. 72720 |
| Heteromastus filiformis | 1 | 22. 72720 |
| Leitoscoloplos spp. | 1 | 22. 72720 |
| Mediomastus spp. | 2 | 45. 45440 |
| Neanthes arenaceodentata | 1 | 22. 72720 |
| Nephtys picta | 1 | 22. 72720 |
| Nereididae | 1 | 22. 72720 |
| Parapriionospio pinnata | 4 | 90. 90880 |
| Phyllodoce arenae | 1 | 22. 72720 |
| Siphophanes bombyx | 2 | 45. 45440 |
| Streblospio benedicti | 25 | 568. 18000 |
| Tharyx sp. A Morris | 10 | 227. 27200 |
| Arthropoda : Amphipoda | | |
| Ampelisca vadorum | 31 | 704. 54320 |
| Amphiothea spp. | 1 | 22. 72720 |
| Erichthonus brasiliensis | 3 | 68. 18160 |
| Listriella barnardi | 1 | 22. 72720 |
| Luconacia incerta | 1 | 22. 72720 |
| Microprotopus raneyi | 2 | 45. 45440 |
| Echinodermata : Holothuroidea | | |
| Leptosynapta tenuis | 6 | 136. 36320 |
| Mollusca : Bivalvia | | |
| Tellina agilis | 2 | 45. 45440 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB- 14 | | |
|----------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 17 | 386. 36240 |
| Annelida : Polychaeta | | |
| Arabellula iricolor | 1 | 22. 72720 |
| Carazzella hobsonae | 13 | 295. 45360 |
| Clymenella torquata | 1 | 22. 72720 |
| Eumida sanguinea | 1 | 22. 72720 |
| Exogone dispar | 7 | 159. 09040 |
| Glycera americana | 2 | 45. 45440 |
| Glycinde solitaria | 9 | 204. 54480 |
| Heteromastus filiformis | 1 | 22. 72720 |
| Hydroides proticola | 1 | 22. 72720 |
| Leitoscoloplos spp. | 1 | 22. 72720 |
| Macroclymenes zonalis | 11 | 249. 99920 |
| Mediomastus ambiseta | 2 | 45. 45440 |
| Mediomastus californiensis | 2 | 45. 45440 |
| Mediomastus spp. | 346 | 7863. 6112 |
| Melimna maculata | 2 | 45. 45440 |
| Nereididae | 3 | 68. 18160 |
| Notomastus sp. A Ewing | 4 | 90. 90880 |
| Pista cristata | 1 | 22. 72720 |
| Podarkeopsis levifuscina | 1 | 22. 72720 |
| Polycirrus eximus | 3 | 68. 18160 |
| Sabaco elongatus | 12 | 272. 72640 |
| Scoletoma tenuis | 3 | 68. 18160 |
| Spiochaetopterus costarum | 1 | 22. 72720 |
| Streblospio benedicti | 6 | 136. 36320 |
| Arthropoda : Amphipoda | | |
| Ampelisca abdita | 156 | 3545. 4432 |
| Ampelisca spp. | 37 | 840. 90640 |
| Ampelisca vadorum | 2 | 45. 45440 |
| Caprella spp. | 1 | 22. 72720 |
| Cerapus tubularis | 6 | 136. 36320 |
| Listriella barnardi | 18 | 409. 08960 |
| Microprotopus raneyi | 4 | 90. 90880 |
| Monocorophium tuberculatum | 28 | 636. 36160 |
| Arthropoda : Cumacea | | |
| Leucon americanus | 3 | 68. 18160 |
| Oxyurostylis smithi | 1 | 22. 72720 |
| Arthropoda : Isopoda | | |
| Cyathura burbancki | 14 | 318. 18080 |
| Cnidaria : Anthozoa | | |
| Ceriantheopsis americanus | 1 | 22. 72720 |
| Mollusca : Bivalvia | | |
| Biivalvia | 1 | 22. 72720 |
| Tagelus divisus | 14 | 318. 18080 |
| Mollusca : Gastropoda | | |
| Acteonina canaliculata | 3 | 68. 18160 |
| Turbanilla spp. | 2 | 45. 45440 |
| Nemertinea | | |
| Nemertina | 1 | 22. 72720 |
| Phoronida | | |
| Phoronis spp. | 8 | 181. 81760 |

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 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB- 15 | | |
|-------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 62 | 1409. 0864 |
| Annelida : Polychaeta | | |
| Arcidea catherinae | 9 | 204. 54480 |
| Brania wellfleetensis | 2 | 45. 45440 |
| Eumida sanguinea | 1 | 22. 72720 |
| Exogone dispar | 6 | 136. 36320 |
| Glycera americana | 3 | 68. 18160 |
| Glycinde solitaria | 1 | 22. 72720 |
| Hydroides dianthus | 1 | 22. 72720 |
| Macroclymene zonalis | 3 | 68. 18160 |
| Mediomastus ambisetosa | 152 | 3454. 5344 |
| Mediomastus spp. | 212 | 4818. 1664 |
| Melinna maculata | 1 | 22. 72720 |
| Prionestes heterobranchia | 3 | 68. 18160 |
| Spiochaetopterus costarum | 9 | 204. 54480 |
| Spirorbis corrugatus | 13 | 295. 45360 |
| Streblospio benedicti | 2 | 45. 45440 |
| Arthropoda : Amphipoda | | |
| Americochelidium americanum | 5 | 113. 63600 |
| Ampelisca abdita | 11 | 249. 99920 |
| Ampelisca spp. | 2 | 45. 45440 |
| Ampelisca vadorum | 3 | 68. 18160 |
| Ampelisca verrilli | 30 | 681. 81600 |
| Batea catharinensis | 2 | 45. 45440 |
| Elasmopus laevis | 3 | 68. 18160 |
| Eobrolgus spinosus | 7 | 159. 09040 |
| Listriella barnardi | 13 | 295. 45360 |
| Microprotopus raneyi | 3 | 68. 18160 |
| Monocorophium tuberculatum | 4 | 90. 90880 |
| Paracaprella tenuis | 1 | 22. 72720 |
| Rhepoxynius hudsoni | 1 | 22. 72720 |
| Arthropoda : Cumacea | | |
| Oxyurostylis smithi | 34 | 772. 72480 |
| Arthropoda : Isopoda | | |
| Cyathura burbancki | 3 | 68. 18160 |
| Paracerceis caudata | 1 | 22. 72720 |
| Echinodermata : Holothuroidea | | |
| Leptosynapta tenuis | 3 | 68. 18160 |
| Mollusca : Bivalvia | | |
| Tagelus divisus | 2 | 45. 45440 |
| Nemertinea | | |
| Nemertina | 1 | 22. 72720 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-16 | | |
|-------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 76 | 1727. 2672 |
| Annelida : Polychaeta | | |
| Branchia clavata | 1 | 22. 72720 |
| Branchia wellfleetensis | 1 | 22. 72720 |
| Capitella capitata complex | 2 | 45. 45440 |
| Clymenella torquata | 8 | 181. 81760 |
| Demonax microphthalmus | 2 | 45. 45440 |
| Diopatra cuprea | 1 | 22. 72720 |
| Exogone dispar | 4 | 90. 90880 |
| Glycera americana | 2 | 45. 45440 |
| Glycinde solitaria | 5 | 113. 63600 |
| Macroclymene zonalis | 40 | 909. 08800 |
| Maldanidae | 2 | 45. 45440 |
| Mediomastus ambisetosa | 57 | 1295. 4504 |
| Mediomastus californiensis | 1 | 22. 72720 |
| Mediomastus spp. | 108 | 2454. 5376 |
| Melinna maculata | 1 | 22. 72720 |
| Nereididae | 2 | 45. 45440 |
| Notomastus sp. A Ewing | 6 | 136. 36320 |
| Parapriopis opipinnata | 1 | 22. 72720 |
| Podarkeopsis levifuscina | 1 | 22. 72720 |
| Priopis heterobranchia | 4 | 90. 90880 |
| Scolopoma tenuis | 1 | 22. 72720 |
| Sphaerosyllis brevidentata | 2 | 45. 45440 |
| Spiochaetopterus costarum | 1 | 22. 72720 |
| Spirorbis corrugatus | 3 | 68. 18160 |
| Streblospio benedicti | 1 | 22. 72720 |
| Arthropoda : Amphipoda | | |
| Ampelisca abdita | 471 | 10704. 511 |
| Ampelisca spp. | 215 | 4886. 3480 |
| Ampelisca vadorum | 29 | 659. 08880 |
| Ampelisca verrilli | 29 | 659. 08880 |
| Caprella spp. | 2 | 45. 45440 |
| Cerapus tubularis | 3 | 68. 18160 |
| Elasmopus laevis | 3 | 68. 18160 |
| Listrella barnardi | 12 | 272. 72640 |
| Microprotopus raneyi | 1 | 22. 72720 |
| Monocorophium acherusicum | 1 | 22. 72720 |
| Monocorophium tuberculatum | 1 | 22. 72720 |
| Arthropoda : Cumacea | | |
| Oxyurostylis smithi | 3 | 68. 18160 |
| Arthropoda : Isopoda | | |
| Cyathura burbancki | 10 | 227. 27200 |
| Edotea triloba | 1 | 22. 72720 |
| Erichsonella filiformis | 1 | 22. 72720 |
| Paracerceis caudata | 1 | 22. 72720 |
| Echinodermata : Holothuroidea | | |
| Leptosynapta tenuis | 2 | 45. 45440 |
| Mollusca : Bivalvia | | |
| Solenomya velum | 4 | 90. 90880 |
| Tagelus divisus | 4 | 90. 90880 |
| Tellina agilis | 3 | 68. 18160 |
| Mollusca : Gastropoda | | |
| Acteonina canaliculata | 2 | 45. 45440 |
| Nemertinea | | |
| Nemertina | 2 | 45. 45440 |

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 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-17 | | |
|-------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Polychaeta | | |
| Caulieriella sp. B (Blake) | 1 | 22. 72720 |
| Cirrophorus sp. B Morris | 3 | 68. 18160 |
| Eteone foliosa | 1 | 22. 72720 |
| Leitoscoloplos spp. | 1 | 22. 72720 |
| Nephtys bucera | 2 | 45. 45440 |
| Polygordius spp. | 2 | 45. 45440 |
| Streptosyllis pettiboneae | 6 | 136. 36320 |
| Arthropoda : Amphipoda | | |
| Acanthohaustorius intermedius | 17 | 386. 36240 |
| Arthropoda : Isopoda | | |
| Chidotea coeca | 1 | 22. 72720 |
| Synidotea laticauda | 2 | 45. 45440 |
| Arthropoda : Tanaidacea | | |
| Tanaissus psammophilus | 16 | 363. 63520 |
| Mollusca : Bivalvia | | |
| Ensis directus | 1 | 22. 72720 |
| Tellina agilis | 1 | 22. 72720 |
| Nemertinea | | |
| Nemertina | 60 | 1363. 6320 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB- 18 | | |
|---|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta Oligochaeta | 2 | 45. 45440 |
| Annelida : Polychaeta Leitoscoloplos spp. | 7 | 159. 09040 |
| Nephtys bucera | 1 | 22. 72720 |
| Paraonis fulgens | 11 | 249. 99920 |
| Streptosyllis pettiboneae | 14 | 318. 18080 |
| Arthropoda : Amphipoda Acanthohaustorius intermedius | 2 | 45. 45440 |
| Paracaprella tenuis | 1 | 22. 72720 |
| Stenothoe m. nuta | 1 | 22. 72720 |
| Nemertinea Nemertina | 12 | 272. 72640 |

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MARYLAND COASTAL BAYS
BENTHIC TAXA INFORMATION

| STATION : MDCB- 19 | | |
|---------------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta Oligochaeta | 3 | 68. 18160 |
| Annelida : Polychaeta | 1 | 22. 72720 |
| Eteone heteropoda | 3 | 68. 18160 |
| Leitoscoloplos spp. | 3 | 68. 18160 |
| Neanthes succinea | 2 | 45. 45440 |
| Podarkeopsis levifuscina | | |

NATIONAL COASTAL ASSESSMENT 2001
MARYLAND COASTAL BAYS
BENTHIC TAXA INFORMATION

| STATION : MDCB- 20 | | |
|---|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Arthropoda : Chironomi dae Chironomus spp. | 26 | 590. 90720 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB- 21 | | |
|---------------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta Oligochaeta | 1 | 22. 72720 |
| Annelida : Polychaeta | | |
| Eteone heteropoda | 2 | 45. 45440 |
| Mediomastus spp. | 1 | 22. 72720 |
| Scolopoma tenuis | 1 | 22. 72720 |
| Arthropoda : Isopoda | | |
| Synidotea laticauda | 1 | 22. 72720 |
| Hemichordata | | |
| Saccoglossus kowalevskii | 14 | 318. 18080 |
| Mollusca : Bivalvia | | |
| Tellinidae | 1 | 22. 72720 |

NATIONAL COASTAL ASSESSMENT 2001
MARYLAND COASTAL BAYS
BENTHIC TAXA INFORMATION

| STATION : MDCB- 22 | | |
|---------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Polychaeta | | |
| <i>Leitoscoloplos robustus</i> | 2 | 45. 45440 |
| <i>Leitoscoloplos</i> spp. | 2 | 45. 45440 |
| <i>Neanthes succinea</i> | 3 | 68. 18160 |
| <i>Podarkeopsis levifuscina</i> | 1 | 22. 72720 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB- 23 | | |
|---------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Polychaeta | | |
| <i>Heteromastus filiformis</i> | 1 | 22. 72720 |
| <i>Leitoscoloplos robustus</i> | 6 | 136. 36320 |
| <i>Leitoscoloplos</i> spp. | 35 | 795. 45200 |
| <i>Neanthes succinea</i> | 3 | 68. 18160 |
| <i>Podarkeopsis levifuscina</i> | 15 | 340. 90800 |
| Nemertinea | | |
| <i>Nemertina</i> | 4 | 90. 90880 |

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 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB- 24 | | |
|---|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta Oligochaeta | 5 | 113. 63600 |
| Annelida : Polychaeta <i>Heteromastus filiformis</i> | 1 | 22. 72720 |
| <i>Mediomastus ambiseta</i> | 3 | 68. 18160 |
| <i>Mediomastus</i> spp. | 6 | 136. 36320 |
| <i>Sabaco elongatus</i> | 15 | 340. 90800 |
| <i>Scoletoma tenuis</i> | 4 | 90. 90880 |
| <i>Sphaerosyllis brevidentata</i> | 2 | 45. 45440 |
| <i>Streptosyllis pettiboneae</i> | 1 | 22. 72720 |
| Arthropoda : Amphipoda <i>Ampelisca abdita</i> | 155 | 3522. 7160 |
| <i>Ampelisca</i> spp. | 11 | 249. 99920 |
| <i>Caprella</i> spp. | 1 | 22. 72720 |
| <i>Cerapus tubularis</i> | 1 | 22. 72720 |
| <i>Listriella barnardi</i> | 10 | 227. 27200 |
| <i>Microprotopus raneyi</i> | 2 | 45. 45440 |
| <i>Monocorophium tuberculatum</i> | 1 | 22. 72720 |
| Arthropoda : Cumacea <i>Cyclasis varians</i> | 1 | 22. 72720 |
| <i>Lecon americanus</i> | 3 | 68. 18160 |
| Arthropoda : Isopoda <i>Edotea triloba</i> | 1 | 22. 72720 |
| Mollusca : Bivalvia <i>Tagelus divisus</i> | 2 | 45. 45440 |
| Nemertinea <i>Nemertina</i> | 1 | 22. 72720 |

NATIONAL COASTAL ASSESSMENT 2001
MARYLAND COASTAL BAYS
BENTHIC TAXA INFORMATION

| STATION : MDCB- 25 | | |
|---------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Polychaeta | | |
| Laeonereis culveri | 1 | 22.72720 |
| Arthropoda : Chironomidae | | |
| Chi ronus spp. | 1 | 22.72720 |

NATIONAL COASTAL ASSESSMENT 2001
MARYLAND COASTAL BAYS
BENTHIC TAXA INFORMATION

| STATION : MDCB- 26 | | |
|------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Polychaeta | | |
| <i>Mediomastus ambiseta</i> | 1 | 22.72720 |
| <i>Streblospio benedicti</i> | 14 | 318.18080 |
| Arthropoda : Chironomidae | | |
| <i>Chironomus dae</i> | 4 | 90.90880 |

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 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB- 27 | | |
|--|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta Oligochaeta | 12 | 272. 72640 |
| Annelida : Polychaeta Carazziella hobsonae | 10 | 227. 27200 |
| Clymenella torquata | 1 | 22. 72720 |
| Dorvillea rudolphi | 4 | 90. 90880 |
| Glycera americana | 3 | 68. 18160 |
| Leitoscoloplos robustus | 8 | 181. 81760 |
| Leitoscoloplos spp. | 5 | 113. 63600 |
| Macroclymene zonalis | 9 | 204. 54480 |
| Mediomastus spp. | 13 | 295. 45360 |
| Notomastus sp. A Ewing | 7 | 159. 09040 |
| Parapriionospio pinnata | 4 | 90. 90880 |
| Podarkeopsis levi fuscina | 10 | 227. 27200 |
| Sabaco elongatus | 1 | 22. 72720 |
| Scoletoma tenuis | 1 | 22. 72720 |
| Arthropoda : Amphipoda Ampelisca abdita | 33 | 749. 99760 |
| Listriella barnardi | 16 | 363. 63520 |
| Microprotopus raneyi | 1 | 22. 72720 |
| Arthropoda : Decapoda Ogyrides alphaerostris | 1 | 22. 72720 |
| Cnidaria : Anthozoa Ceriantheopsis americanus | 1 | 22. 72720 |
| Mollusca : Bivalvia Tagelus divisus | 2 | 45. 45440 |
| Phoronida Phoronis spp. | 1 | 22. 72720 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB- 28 | | |
|----------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Polychaeta | | |
| Carazzella hobsonae | 19 | 431.81680 |
| Glycera americana | 2 | 45.45440 |
| Leitoscoloplos robustus | 2 | 45.45440 |
| Leitoscoloplos spp. | 1 | 22.72720 |
| Macroclymene zonalis | 5 | 113.63600 |
| Mediomastus californiensis | 7 | 159.09040 |
| Mediomastus spp. | 182 | 4136.3504 |
| Notomastus sp. A Ewing | 2 | 45.45440 |
| Parapriionospio pinnata | 6 | 136.36320 |
| Pista cristata | 1 | 22.72720 |
| Podarkeopsis levi fuscina | 7 | 159.09040 |
| Sabaco elongatus | 7 | 159.09040 |
| Arthropoda : Amphipoda | | |
| Ampelisca abdita | 45 | 1022.7240 |
| Cerapus tubularis | 1 | 22.72720 |
| Listrella barnardi | 21 | 477.27120 |
| Monocorophium tuberculatum | 1 | 22.72720 |
| Arthropoda : Cumacea | | |
| Leucon americanus | 1 | 22.72720 |
| Arthropoda : Decapoda | | |
| Ogyrides alphaerostris | 1 | 22.72720 |
| Cnidaria : Anthozoa | | |
| Anthozoa | 1 | 22.72720 |
| Mollusca : Bivalvia | | |
| Tagelus divisus | 13 | 295.45360 |

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 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB- 29 | | |
|---------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Polychaeta | | |
| Eteone foliosa | 1 | 22. 72720 |
| Glycinde solitaria | 1 | 22. 72720 |
| Leitoscoloplos spp. | 1 | 22. 72720 |
| Neanthes succinea | 1 | 22. 72720 |
| Podarkeopsis levi fuscina | 9 | 204. 54480 |
| Arthropoda : Amphipoda | | |
| Ampelisca abdita | 87 | 1977. 2664 |
| Listriella barnardi | 17 | 386. 36240 |
| Microprotopus raneyi | 1 | 22. 72720 |
| Arthropoda : Cumacea | | |
| Leucon americanus | 2 | 45. 45440 |
| Mollusca : Bivalvia | | |
| Macoma mitchelli | 12 | 272. 72640 |

NATIONAL COASTAL ASSESSMENT 2001
MARYLAND COASTAL BAYS
BENTHIC TAXA INFORMATION

| STATION : MDCB- 30 | | |
|--------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Polychaeta | | |
| Eteone heteropoda | 4 | 90. 90880 |
| Leitoscoloplos spp. | 15 | 340. 90800 |
| Neanthes succinea | 5 | 113. 63600 |
| Podarkeopsis levifuscina | 2 | 45. 45440 |

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 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-31 | | |
|--|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Tubificidae imm. with capilliform chaetae | 3 | 68. 18160 |
| Tubificidae imm. without capilliform chaetae | 5 | 113. 63600 |
| Tubificoides spp. | 2 | 45. 45440 |
| Arthropoda : Chironomidae | | |
| Chironomidae pupae | 2 | 45. 45440 |
| Chironomus spp. | 2 | 45. 45440 |
| Polypedilum scalarenum group | 32 | 727. 27040 |
| Mollusca : Bivalvia | | |
| Pisidium spp. | 6 | 136. 36320 |
| Mollusca : Gastropoda | | |
| Amnicola limosa | 1 | 22. 72720 |

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 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB- 32 | | |
|--|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| <i>Paranais littoralis</i> | 4 | 90. 90880 |
| <i>Tubificidae imm without capilliform chaetae</i> | 22 | 499. 99840 |
| <i>Tubificoides spp.</i> | 55 | 1249. 9960 |
| Annelida : Polychaeta | | |
| <i>Hobsonia florida</i> | 268 | 6090. 8896 |
| <i>Laeonereis culveri</i> | 555 | 12613. 596 |
| <i>Streblospio benedicti</i> | 59 | 1340. 9048 |
| Arthropoda : Amphipoda | | |
| <i>Apocorophium lacustre</i> | 6 | 136. 36320 |
| <i>Gammarus spp.</i> | 3 | 68. 18160 |
| <i>Leptocheirus plumulosus</i> | 44 | 999. 99680 |
| Arthropoda : Chironomidae | | |
| <i>Chironomidae pupae</i> | 2 | 45. 45440 |
| <i>Chironomus spp.</i> | 561 | 12749. 959 |
| Arthropoda : Cumacea | | |
| <i>Almyracuma proximoculata</i> | 5 | 113. 63600 |
| Arthropoda : Decapoda | | |
| <i>Palaeomonetes pugio</i> | 5 | 113. 63600 |
| Arthropoda : Isopoda | | |
| <i>Edotea triloba</i> | 50 | 1136. 3600 |
| <i>Sphaeroma quadridentatum</i> | 1 | 22. 72720 |
| Arthropoda : Tanaidacea | | |
| <i>Hargeria rapax</i> | 50 | 1136. 3600 |
| Platyhelminthes : Turbellaria | | |
| <i>Turbellaria</i> | 1 | 22. 72720 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-33 | | |
|--|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta Oligochaeta | 270 | 6136. 3440 |
| Annelida : Polychaeta <i>Capitella capitata complex</i> | 5 | 113. 63600 |
| <i>Heteromastus filiformis</i> | 9 | 204. 54480 |
| <i>Hobsonia florida</i> | 16 | 363. 63520 |
| <i>Laeonereis culveri</i> | 39 | 886. 36080 |
| <i>Mediomastus ambi seta</i> | 1 | 22. 72720 |
| <i>Mediomastus</i> spp. | 2 | 45. 45440 |
| <i>Microphthalmus sczelkowi</i> | 2 | 45. 45440 |
| <i>Neanthes succinea</i> | 3 | 68. 18160 |
| <i>Strebluspi obenedicti</i> | 47 | 1068. 1784 |
| Arthropoda : Amphipoda <i>Ampelisca abdita</i> | 5 | 113. 63600 |
| <i>Gammarus dai beri</i> | 2 | 45. 45440 |
| <i>Leptocheirus plumulosus</i> | 294 | 6681. 7968 |
| <i>Melita nitida</i> | 5 | 113. 63600 |
| <i>Microgammarus micronatus</i> | 1 | 22. 72720 |
| Arthropoda : Isopoda <i>Cyathura polita</i> | 9 | 204. 54480 |
| Nemertinea <i>Nemertina</i> | 3 | 68. 18160 |
| Platyhelminthes : Turbellaria Turbellaria | 1 | 22. 72720 |

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 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB- 34 | | |
|--|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta Tubificidae imm. without capilliform chaetae | 16 | 363. 63520 |
| Annelida : Polychaeta Hobsonia florida | 1 | 22. 72720 |
| Laeonereis culveri | 8 | 181. 81760 |
| Arthropoda : Chironomidae | | |
| Chironomus spp. | 2 | 45. 45440 |
| Dicrotendipes spp. | 1 | 22. 72720 |
| Tanypus neopunctipennis | 7 | 159. 09040 |
| Tanytarsus spp. G Epler | 6 | 136. 36320 |
| Arthropoda : Decapoda | | |
| Palamonetes pugio | 3 | 68. 18160 |

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 BENTHIC TAXA INFORMATION

| STATION : MDCB- 35 | | |
|--|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Tubificidae imm. without capilliform chaetae | 3 | 68. 18160 |
| Tubificoides spp. | 4 | 90. 90880 |
| Annelida : Polychaeta | | |
| Hobsonia florida | 30 | 681. 81600 |
| Laeonereis culveri | 90 | 2045. 4480 |
| Arthropoda : Chironomidae | | |
| Chironomus spp. | 20 | 454. 54400 |
| Tanytarsus spp. G Epler | 4 | 90. 90880 |
| Arthropoda : Decapoda | | |
| Palamonetes pugio | 5 | 113. 63600 |

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 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB- 36 | | |
|-------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 33 | 749. 99760 |
| Annelida : Polychaeta | | |
| Carazziella hobsonae | 3 | 68. 18160 |
| Clymenella torquata | 19 | 431. 81680 |
| Diopatra cuprea | 5 | 113. 63600 |
| Exogone dispar | 5 | 113. 63600 |
| Glycera americana | 2 | 45. 45440 |
| Glycinde solitaria | 3 | 68. 18160 |
| Heteromastus filiformis | 1 | 22. 72720 |
| Macrolymene zonalis | 24 | 545. 45280 |
| Mediomastus ambi seta | 9 | 204. 54480 |
| Mediomastus californiensis | 1 | 22. 72720 |
| Mediomastus spp. | 376 | 8545. 4272 |
| Melimna maculata | 15 | 340. 90800 |
| Notomastus sp. A Ewing | 5 | 113. 63600 |
| Parapriionospio pinnata | 6 | 136. 36320 |
| Podarkeopsis levifuscula | 8 | 181. 81760 |
| Sabaco elongatus | 5 | 113. 63600 |
| Sphaerosyllis brevidentata | 1 | 22. 72720 |
| Streblospio benedicti | 6 | 136. 36320 |
| Arthropoda : Amphipoda | | |
| Ameroculodes species complex | 1 | 22. 72720 |
| Ampelisca abdita | 84 | 1909. 0848 |
| Ampelisca spp. | 53 | 1204. 5416 |
| Ampelisca vadorum | 13 | 295. 45360 |
| Ampelisca verrilli | 14 | 318. 18080 |
| Caprella penantis | 1 | 22. 72720 |
| Cerapus tubularis | 6 | 136. 36320 |
| Listrilla barnardi | 9 | 204. 54480 |
| Monocorophium acherusium | 1 | 22. 72720 |
| Monocorophium tuberculatum | 13 | 295. 45360 |
| Unciola serrata | 1 | 22. 72720 |
| Arthropoda : Cumacea | | |
| Leucon americanus | 1 | 22. 72720 |
| Arthropoda : Isopoda | | |
| Cyathura burbancki | 7 | 159. 09040 |
| Cnidaria : Anthozoa | | |
| Anthozoa | 1 | 22. 72720 |
| Echinodermata : Holothuroidea | | |
| Leptosynapta tenuis | 1 | 22. 72720 |
| Mollusca : Bivalvia | | |
| Bivalvia | 1 | 22. 72720 |
| Macoma tenta | 1 | 22. 72720 |
| Mercenaria mercenaria | 1 | 22. 72720 |
| Tagelus divisus | 7 | 159. 09040 |
| Phoronida | | |
| Phoronis spp. | 5 | 113. 63600 |
| Platyhelminthes : Turbellaria | | |
| Turbellaria | 1 | 22. 72720 |

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 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-37 | | |
|----------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 4 | 90. 90880 |
| Annelida : Polychaeta | | |
| Capitella capitata complex | 1 | 22. 72720 |
| Diopatra cuprea | 1 | 22. 72720 |
| Exogone dispar | 1 | 22. 72720 |
| Glycera americana | 1 | 22. 72720 |
| Glycinde solitaria | 14 | 318. 18080 |
| Leitoscoloplos spp. | 1 | 22. 72720 |
| Macroclymene zonalis | 12 | 272. 72640 |
| Maldanidae | 1 | 22. 72720 |
| Mediomastus ambi seta | 2 | 45. 45440 |
| Mediomastus spp. | 271 | 6159. 0712 |
| Melinna maculata | 4 | 90. 90880 |
| Notomastus sp. A Ewing | 13 | 295. 45360 |
| Parapriionospio pinnata | 7 | 159. 09040 |
| Podarkeopsis levi fuscina | 1 | 22. 72720 |
| Sabaco elongatus | 8 | 181. 81760 |
| Scoletoma tenuis | 2 | 45. 45440 |
| Streblospio benedicti | 2 | 45. 45440 |
| Arthropoda : Amphipoda | | |
| Ampelisca abdita | 240 | 5454. 5280 |
| Ampelisca spp. | 57 | 1295. 4504 |
| Ampelisca vadorum | 4 | 90. 90880 |
| Ampelisca verrilli | 1 | 22. 72720 |
| Listriella barnardi | 26 | 590. 90720 |
| Monocorophium tuberculatum | 19 | 431. 81680 |
| Unciola serrata | 4 | 90. 90880 |
| Arthropoda : Cumacea | | |
| Leucon americanus | 16 | 363. 63520 |
| Arthropoda : Decapoda | | |
| Ogyrides alphaerostris | 2 | 45. 45440 |
| Arthropoda : Isopoda | | |
| Cyathura burbancki | 1 | 22. 72720 |
| Cnidaria : Anthozoa | | |
| Anthozoa | 1 | 22. 72720 |
| Mollusca : Bivalvia | | |
| Macoma mitchelli | 2 | 45. 45440 |
| Tagelus divisus | 8 | 181. 81760 |
| Mollusca : Gastropoda | | |
| Turbonilla interrupta | 8 | 181. 81760 |
| Nemertinea | | |
| Nemertina | 1 | 22. 72720 |
| Phoronida | | |
| Phoronis spp. | 8 | 181. 81760 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-38 | | |
|----------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 49 | 1113. 6328 |
| Annelida : Polychaeta | | |
| Carazziella hobsonae | 2 | 45. 45440 |
| Clymenella torquata | 1 | 22. 72720 |
| Cossura longocirrata | 1 | 22. 72720 |
| Exogone dispar | 2 | 45. 45440 |
| Glycera americana | 3 | 68. 18160 |
| Glycinde solitaria | 9 | 204. 54480 |
| Macroclymene zonalis | 7 | 159. 09040 |
| Mediomastus ambi seta | 9 | 204. 54480 |
| Mediomastus californiensis | 8 | 181. 81760 |
| Mediomastus spp. | 370 | 8409. 0640 |
| Melinna maculata | 9 | 204. 54480 |
| Notomastus sp. A Ewing | 4 | 90. 90880 |
| Parapriionospio pinnata | 10 | 227. 27200 |
| Podarkeopsis levi fuscina | 3 | 68. 18160 |
| Sabaco elongatus | 23 | 522. 72560 |
| Streblospio benedicti | 1 | 22. 72720 |
| Arthropoda : Amphipoda | | |
| Ampelisca abdita | 215 | 4886. 3480 |
| Ampelisca spp. | 56 | 1272. 7232 |
| Ampelisca vadorum | 5 | 113. 63600 |
| Listriella barnardi | 48 | 1090. 9056 |
| Monocorophium tuberculatum | 21 | 477. 27120 |
| Unciola serrata | 4 | 90. 90880 |
| Arthropoda : Cumacea | | |
| Leucon americanus | 15 | 340. 90800 |
| Arthropoda : Isopoda | | |
| Cyathura burbancki | 3 | 68. 18160 |
| Edotea triloba | 2 | 45. 45440 |
| Mollusca : Bivalvia | | |
| Macoma tenta | 2 | 45. 45440 |
| Tagelus divisus | 7 | 159. 09040 |
| Mollusca : Gastropoda | | |
| Turbonilla interrupta | 16 | 363. 63520 |
| Nemertinea | | |
| Nemertina | 1 | 22. 72720 |
| Phoronida | | |
| Phoronis spp. | 3 | 68. 18160 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-39 | | |
|---------------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta Oligochaeta | 2 | 45.45440 |
| Annelida : Polychaeta Magenta spp. | 1 | 22.72720 |
| Nephtys buccula | 1 | 22.72720 |
| Paraonis fulgens | 11 | 249.99920 |
| Scolelepis unidentata | 2 | 45.45440 |
| Streblospio benedicti | 5 | 113.63600 |
| Arthropoda : Amphipoda | | |
| Acanthohaustorius intermedius | 1 | 22.72720 |
| Haustoriidae | 1 | 22.72720 |
| Parahaustorius longimerus | 2 | 45.45440 |
| Protohaustorius cf. deichmannae | 10 | 227.27200 |
| Nemertinea Nemertina | 4 | 90.90880 |

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 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-40 | | |
|--------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Polychaeta | | |
| Brani a wellfleetensis | 12 | 272.72640 |
| Cirrophorus sp. B Morris | 2 | 45.45440 |
| Dispilo uncinata | 2 | 45.45440 |
| Leitoscoloplos spp. | 9 | 204.54480 |
| Neanthes arenaceodentata | 1 | 22.72720 |
| Nephtys bucera | 6 | 136.36320 |
| Nephtys picta | 1 | 22.72720 |
| Paraonis fulgens | 13 | 295.45360 |
| Polygordius spp. | 6 | 136.36320 |
| Streptosyllis pettiboneae | 6 | 136.36320 |
| Tharyx sp. A Morris | 1 | 22.72720 |
| Arthropoda : Amphipoda | | |
| Acanthohaustorius intermedius | 1 | 22.72720 |
| Acanthohaustorius millsi | 1 | 22.72720 |
| Ampelisca abdita | 1 | 22.72720 |
| Rhepoxynius hudsoni | 10 | 227.27200 |
| Arthropoda : Decapoda | | |
| Pagurus spp. | 1 | 22.72720 |
| Echi nodermata : Holothuroidea | | |
| Leptosynapta tenuis | 1 | 22.72720 |
| Hemichordata | | |
| Saccoglossus kowalevskii | 1 | 22.72720 |
| Mollusca : Bivalvia | | |
| Spisula solidissima | 1 | 22.72720 |
| Tellina agilis | 5 | 113.63600 |
| Nemertinea | | |
| Nemertina | 2 | 45.45440 |

NATIONAL COASTAL ASSESSMENT 2001
 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-41 | | |
|----------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 83 | 1886.3576 |
| Annelida : Polychaeta | | |
| Carazziella hobsonae | 1175 | 26704.460 |
| Ceratonereis irritabilis | 2 | 45.45440 |
| Clymenella torquata | 1 | 22.72720 |
| Glycera americana | 3 | 68.18160 |
| Glycinde solitaria | 5 | 113.63600 |
| Heteromastus filiformis | 1 | 22.72720 |
| Leitoscoloplos spp. | 1 | 22.72720 |
| Loimia medusa | 1 | 22.72720 |
| Macroclymene zonalis | 23 | 522.72560 |
| Maldanidae | 2 | 45.45440 |
| Mediomastus ambi seta | 19 | 431.81680 |
| Mediomastus californiensis | 12 | 272.72640 |
| Mediomastus spp. | 346 | 7863.6112 |
| Nephtys incisa | 1 | 22.72720 |
| Nereididae | 1 | 22.72720 |
| Notomastus sp. A Ewing | 6 | 136.36320 |
| Parahesione luteola | 1 | 22.72720 |
| Parapriionospio pinnata | 8 | 181.81760 |
| Podarke obscura | 1 | 22.72720 |
| Sabaco elongatus | 1 | 22.72720 |
| Scoletoma tenuis | 1 | 22.72720 |
| Sphaerosyllis brevidentata | 2 | 45.45440 |
| Streblospio benedicti | 2 | 45.45440 |
| Arthropoda : Amphipoda | | |
| Ampelisca abdita | 2 | 45.45440 |
| Cerapus tubularis | 1 | 22.72720 |
| Listriella barnardi | 32 | 727.27040 |
| Monocorophium tuberculatum | 2 | 45.45440 |
| Arthropoda : Decapoda | | |
| Pinnixa spp. | 1 | 22.72720 |
| Cnidaria : Anthozoa | | |
| Anthozoa | 1 | 22.72720 |
| Hemichordata | | |
| Saccoglossus kowalevskii | 1 | 22.72720 |
| Mollusca : Bivalvia | | |
| Aligena elevata | 1 | 22.72720 |
| Macoma tenta | 1 | 22.72720 |
| Pitar morrhuanus | 1 | 22.72720 |
| Tagelus divisus | 1 | 22.72720 |
| Mollusca : Gastropoda | | |
| Turbonilla spp. | 4 | 90.90880 |
| Nemertinea | | |
| Nemertina | 3 | 68.18160 |
| Phoronida | | |
| Phoronis spp. | 1 | 22.72720 |

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 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-42 | | |
|--------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 2 | 45. 45440 |
| Annelida : Polychaeta | | |
| Aricidea catherinae | 1 | 22. 72720 |
| Branchi wellfleetensis | 7 | 159. 09040 |
| Carazzella hobsonae | 2 | 45. 45440 |
| Clymenella torquata | 3 | 68. 18160 |
| Demonax microphthalmus | 3 | 68. 18160 |
| Diopatra cuprea | 3 | 68. 18160 |
| Dorvillea rudolphi | 1 | 22. 72720 |
| Eumida sanguinea | 4 | 90. 90880 |
| Exogone dispar | 4 | 90. 90880 |
| Glycinde solitaria | 10 | 227. 27200 |
| Leitoscoloplos spp. | 1 | 22. 72720 |
| Macroclymene zonalis | 13 | 295. 45360 |
| Maldanidae | 1 | 22. 72720 |
| Mediomastus ambiseta | 53 | 1204. 5416 |
| Mediomastus spp. | 44 | 999. 99680 |
| Neanthes succinea | 1 | 22. 72720 |
| Odontosyllis fulgurans | 1 | 22. 72720 |
| Parapionosyllis longicirrata | 2 | 45. 45440 |
| Podarkeopsis levi fuscina | 2 | 45. 45440 |
| Polycirrus eximus | 1 | 22. 72720 |
| Scoletoma tenuis | 1 | 22. 72720 |
| Sphaerosyllis brevidentata | 20 | 454. 54400 |
| Streblospio benedicti | 2 | 45. 45440 |
| Arthropoda : Amphipoda | | |
| Ampelisca abdita | 8 | 181. 81760 |
| Ampelisca spp. | 3 | 68. 18160 |
| Ampelisca vadorum | 2 | 45. 45440 |
| Cerapus tubularis | 2 | 45. 45440 |
| Elasmopus laevis | 8 | 181. 81760 |
| Eriichthius brasiliensis | 18 | 409. 08960 |
| Listrella barnardi | 2 | 45. 45440 |
| Microdeutopus gryllotalpa | 5 | 113. 63600 |
| Microprotopus raneyi | 2 | 45. 45440 |
| Monocorophium acherusium | 1 | 22. 72720 |
| Monocorophium tuberculatum | 2 | 45. 45440 |
| Paracaprella tenuis | 3 | 68. 18160 |
| Stenothoe spp. | 1 | 22. 72720 |
| Unciola serrata | 3 | 68. 18160 |
| Arthropoda : Isopoda | | |
| Edotea triloba | 7 | 159. 09040 |
| Erichsonella filiformis | 4 | 90. 90880 |
| Echi nodermata : Holothuroidea | | |
| Holothuroidea | 1 | 22. 72720 |
| Mollusca : Bivalvia | | |
| Aligena elevata | 1 | 22. 72720 |
| Nucula proxima | 1 | 22. 72720 |
| Tagelus divisus | 7 | 159. 09040 |
| Teretina agilis | 5 | 113. 63600 |
| Nemertinea | | |
| Nemertina | 1 | 22. 72720 |

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 BENTHIC TAXA INFORMATION

| STATION : MDCB-43 | | |
|---|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta Oligochaeta | 44 | 999. 99680 |
| Annelida : Polychaeta Carazziella hobsonae | 90 | 2045. 4480 |
| Clymenella torquata | 4 | 90. 90880 |
| Dorvillea rudolphi | 6 | 136. 36320 |
| Glyceria americana | 3 | 68. 18160 |
| Glycinde solitaria | 2 | 45. 45440 |
| Macroclymene zonalis | 18 | 409. 08960 |
| Mediomastus ambisetosa | 7 | 159. 09040 |
| Mediomastus spp. | 289 | 6568. 1608 |
| Melinna maculata | 2 | 45. 45440 |
| Neanthes succinea | 1 | 22. 72720 |
| Notomastus sp. A Ewing | 3 | 68. 18160 |
| Parahesione luteola | 1 | 22. 72720 |
| Parapriionospio pinnata | 5 | 113. 63600 |
| Podarkeopsis levi fuscina | 28 | 636. 36160 |
| Sabaco elongatus | 1 | 22. 72720 |
| Arthropoda : Amphipoda Listriella barnardi | 32 | 727. 27040 |
| Mollusca : Bivalvia Tagelus divisus | 1 | 22. 72720 |
| Telliinidae | 1 | 22. 72720 |
| Nemertinea Nemertina | 1 | 22. 72720 |
| Phoronida Phoronis spp. | 5 | 113. 63600 |

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 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-44 | | |
|----------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Polychaeta | | |
| <i>Diopatra cuprea</i> | 1 | 22.72720 |
| <i>Heteromastus filiformis</i> | 1 | 22.72720 |
| <i>Mediomastus</i> spp. | 1 | 22.72720 |
| <i>Melinaea maculata</i> | 10 | 227.27200 |
| <i>Neanthes succinea</i> | 1 | 22.72720 |
| <i>Notomastus</i> sp. A Ewing | 4 | 90.90880 |
| <i>Parapriionospio pinnata</i> | 2 | 45.45440 |
| <i>Podarkeopsis levi fuscina</i> | 2 | 45.45440 |
| <i>Spiochaetopterus costarum</i> | 1 | 22.72720 |
| Arthropoda : Amphipoda | | |
| <i>Ampelisca abdita</i> | 27 | 613.63440 |
| <i>Listriella barnardi</i> | 26 | 590.90720 |
| <i>Microprotopus raneyi</i> | 2 | 45.45440 |
| Arthropoda : Cumacea | | |
| <i>Leucon americanus</i> | 2 | 45.45440 |
| Arthropoda : Decapoda | | |
| <i>Ogyrides alphaerostris</i> | 1 | 22.72720 |
| Cnidaria : Anthozoa | | |
| Anthozoa | 2 | 45.45440 |
| Mollusca : Bivalvia | | |
| <i>Solenaea velum</i> | 1 | 22.72720 |
| <i>Tagelus divisus</i> | 1 | 22.72720 |

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 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-45 | | |
|----------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Polychaeta | | |
| <i>Clymenella torquata</i> | 3 | 68. 18160 |
| <i>Glycera americana</i> | 1 | 22. 72720 |
| <i>Heteromastus filiformis</i> | 1 | 22. 72720 |
| <i>Leitoscoloplos robustus</i> | 1 | 22. 72720 |
| <i>Leitoscoloplos</i> spp. | 2 | 45. 45440 |
| <i>Macroclymene zonalis</i> | 6 | 136. 36320 |
| <i>Mediomastus</i> spp. | 12 | 272. 72640 |
| <i>Melinna maculata</i> | 3 | 68. 18160 |
| <i>Notomastus</i> sp. A Ewing | 5 | 113. 63600 |
| <i>Parapriionospio pinnata</i> | 12 | 272. 72640 |
| <i>Podarkeopsis levi fuscina</i> | 10 | 227. 27200 |
| Arthropoda : Amphipoda | | |
| <i>Listriella barnardi</i> | 6 | 136. 36320 |
| Arthropoda : Decapoda | | |
| <i>Ogyrides alphaerostris</i> | 1 | 22. 72720 |
| Mollusca : Bivalvia | | |
| <i>Macoma tenta</i> | 1 | 22. 72720 |

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 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-46 | | |
|-----------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Polychaeta | | |
| <i>Carazzella hobsonae</i> | 33 | 749. 99760 |
| <i>Diopatra cuprea</i> | 2 | 45. 45440 |
| <i>Exogone dispar</i> | 14 | 318. 18080 |
| <i>Glycera americana</i> | 2 | 45. 45440 |
| <i>Glycinde solitaria</i> | 2 | 45. 45440 |
| <i>Leitoscoloplos robustus</i> | 2 | 45. 45440 |
| <i>Leitoscoloplos spp.</i> | 1 | 22. 72720 |
| <i>Macroclymene zonalis</i> | 1 | 22. 72720 |
| <i>Mediomastus ambiseta</i> | 2 | 45. 45440 |
| <i>Mediomastus spp.</i> | 109 | 2477. 2648 |
| <i>Parapriionospio pinnata</i> | 2 | 45. 45440 |
| <i>Pista cristata</i> | 1 | 22. 72720 |
| <i>Podarkeopsis levifuscina</i> | 3 | 68. 18160 |
| <i>Sabaco elongatus</i> | 14 | 318. 18080 |
| <i>Scoletoma tenuis</i> | 2 | 45. 45440 |
| <i>Sphaerosyllis brevidentata</i> | 4 | 90. 90880 |
| <i>Spiochaetopterus costarum</i> | 2 | 45. 45440 |
| Arthropoda : Amphipoda | | |
| <i>Ampelisca abdita</i> | 359 | 8159. 0648 |
| <i>Ampelisca spp.</i> | 1 | 22. 72720 |
| <i>Cerapus tubularis</i> | 3 | 68. 18160 |
| <i>Listriella barnardi</i> | 39 | 886. 36080 |
| <i>Microprotopus raneyi</i> | 7 | 159. 09040 |
| <i>Monocorophium tuberculatum</i> | 6 | 136. 36320 |
| <i>Rhepoxynius hudsoni</i> | 1 | 22. 72720 |
| Arthropoda : Cumacea | | |
| <i>Leucon americanus</i> | 2 | 45. 45440 |
| Arthropoda : Isopoda | | |
| <i>Edotea triloba</i> | 1 | 22. 72720 |
| Cnidaria : Anthozoa | | |
| Anthozoa | 3 | 68. 18160 |
| Mollusca : Bivalvia | | |
| <i>Tagelus divisus</i> | 2 | 45. 45440 |
| Mollusca : Gastropoda | | |
| <i>Turbanilla interrupta</i> | 2 | 45. 45440 |
| Nemertinea | | |
| <i>Nemertina</i> | 1 | 22. 72720 |

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 BENTHIC TAXA INFORMATION

| STATION : MDCB-47 | | |
|-----------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Polychaeta | | |
| <i>Cossura longocirrata</i> | 1 | 22.72720 |
| <i>Dorvillea rudolphi</i> | 4 | 90.90880 |
| <i>Eteone heteropoda</i> | 1 | 22.72720 |
| <i>Glycera americana</i> | 1 | 22.72720 |
| <i>Leitoscoloplos robustus</i> | 2 | 45.45440 |
| <i>Leitoscoloplos spp.</i> | 1 | 22.72720 |
| <i>Mediomastus spp.</i> | 2 | 45.45440 |
| <i>Microphthalmus sczelkowi i</i> | 12 | 272.72640 |
| <i>Nephtys incisa</i> | 1 | 22.72720 |
| <i>Parapriionospio pinnata</i> | 68 | 1545.4496 |
| <i>Podarkeopsis levi fuscina</i> | 6 | 136.36320 |
| <i>Streblospio benedicti</i> | 2 | 45.45440 |
| Arthropoda : Amphipoda | | |
| <i>Ampelisca abdita</i> | 159 | 3613.6248 |
| <i>Listriella barnardi</i> | 10 | 227.27200 |
| Arthropoda : Cumacea | | |
| <i>Leucon americanus</i> | 1 | 22.72720 |

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 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB-48 | | |
|---|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| <i>Nais communis</i> | 1 | 22. 72720 |
| <i>Tubificidae imm. without capilliform chaetae</i> | 1 | 22. 72720 |
| <i>Tubificoides spp.</i> | 1 | 22. 72720 |
| Annelida : Polychaeta | | |
| <i>Hobsonia florida</i> | 127 | 2886. 3544 |
| <i>Laeonereis culveri</i> | 75 | 1704. 5400 |
| <i>Streblospio benedicti</i> | 5 | 113. 63600 |
| Arthropoda : Chironomidae | | |
| <i>Chironomus spp.</i> | 20 | 454. 54400 |
| <i>Tanytarsus spp. C Epler</i> | 2 | 45. 45440 |
| Arthropoda : Diptera | | |
| <i>Chaoborus spp.</i> | 2 | 45. 45440 |

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 BENTHIC TAXA INFORMATION

| STATION : MDCB-49 | | |
|---|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta Oligochaeta | 2 | 45.45440 |
| Annelida : Polychaeta <i>Clymenella torquata</i> | 1 | 22.72720 |
| <i>Exogone dispar</i> | 1 | 22.72720 |
| <i>Mediomastus</i> spp. | 2 | 45.45440 |
| <i>Melimna maculata</i> | 6 | 136.36320 |
| <i>Neanthes succinea</i> | 1 | 22.72720 |
| <i>Podarkeopsis levifuscinia</i> | 3 | 68.18160 |
| <i>Sabaco elongatus</i> | 1 | 22.72720 |
| <i>Scolopoma tenuis</i> | 1 | 22.72720 |
| Arthropoda : Amphipoda <i>Ampelisca abdita</i> | 26 | 590.90720 |
| <i>Listriella barnardi</i> | 1 | 22.72720 |
| <i>Microprotopus raneyi</i> | 1 | 22.72720 |
| Arthropoda : Chironomidae <i>Chironomidae</i> | 1 | 22.72720 |
| Arthropoda : Cumacea <i>Leucon americanus</i> | 5 | 113.63600 |
| Arthropoda : Isopoda <i>Edotea triloba</i> | 3 | 68.18160 |

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 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB- 50 | | |
|-------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 14 | 318. 18080 |
| Annelida : Polychaeta | | |
| Branchia wellfleetensis | 5 | 113. 63600 |
| Dorvillea rudolphi | 3 | 68. 18160 |
| Eteone foliosa | 2 | 45. 45440 |
| Eteone heteropoda | 2 | 45. 45440 |
| Glycinde solitaria | 2 | 45. 45440 |
| Heteromastus filiformis | 7 | 159. 09040 |
| Leitoscoloplos spp. | 1 | 22. 72720 |
| Mediomastus ambiseta | 2 | 45. 45440 |
| Mediomastus spp. | 1 | 22. 72720 |
| Microphthalmus aggregatus | 107 | 2431. 8104 |
| Podarceopsis levi fuscina | 4 | 90. 90880 |
| Polycirrus eximus | 2 | 45. 45440 |
| Scoletoma tenuis | 39 | 886. 36080 |
| Streptosyllis pettiboneae | 1 | 22. 72720 |
| Tharyx sp. A Morris | 26 | 590. 90720 |
| Arthropoda : Amphipoda | | |
| Rhepoxynius hudsoni | 8 | 181. 81760 |
| Arthropoda : Cumacea | | |
| Oxyurostylis smithi | 1 | 22. 72720 |
| Arthropoda : Isopoda | | |
| Chiridotea coeca | 12 | 272. 72640 |
| Cnidaria : Anthozoa | | |
| Anthozoa | 1 | 22. 72720 |
| Echinodermata : Holothuroidea | | |
| Leptosynapta tenuis | 2 | 45. 45440 |
| Mollusca : Bivalvia | | |
| Gemma gemma | 11 | 249. 99920 |
| Nemertinea | | |
| Nemertina | 1 | 22. 72720 |

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 MARYLAND COASTAL BAYS
 BENTHIC TAXA INFORMATION

| STATION : MDCB- 51 | | |
|--------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 24 | 545. 45280 |
| Annelida : Polychaeta | | |
| Branchia clavata | 1 | 22. 72720 |
| Capitella capitata complex | 9 | 204. 54480 |
| Clymenella torquata | 2 | 45. 45440 |
| Diopatra cuprea | 2 | 45. 45440 |
| Exogone di spar | 4 | 90. 90880 |
| Glycera americana | 4 | 90. 90880 |
| Glycinde solitaria | 6 | 136. 36320 |
| Hydroides di anthus | 1 | 22. 72720 |
| Macroclymene zonalis | 8 | 181. 81760 |
| Mal dani dae | 2 | 45. 45440 |
| Mediomastus ambi seta | 96 | 2181. 8112 |
| Mediomastus californiensis | 7 | 159. 09040 |
| Mediomastus spp. | 457 | 10386. 330 |
| Melimna maculata | 2 | 45. 45440 |
| Podarkeopsis levi fuscina | 1 | 22. 72720 |
| Streblospio benedicti | 3 | 68. 18160 |
| Arthropoda : Amphipoda | | |
| Americanchela di um americanum | 6 | 136. 36320 |
| Ameroculodes species complex | 1 | 22. 72720 |
| Ampelisca abdita | 25 | 568. 18000 |
| Ampelisca spp. | 10 | 227. 27200 |
| Ampelisca vadorum | 23 | 522. 72560 |
| Ampelisca verrilli | 6 | 136. 36320 |
| Apocorophium acutum | 1 | 22. 72720 |
| Batea catharinensis | 1 | 22. 72720 |
| Caprella spp. | 1 | 22. 72720 |
| Cerapus tubularis | 7 | 159. 09040 |
| Elasmopus laevis | 1 | 22. 72720 |
| Eobrolgus spinosus | 2 | 45. 45440 |
| Listriella barnardi | 8 | 181. 81760 |
| Lysianopsis alba | 3 | 68. 18160 |
| Monocorophium tuberculatum | 14 | 318. 18080 |
| Arthropoda : Cumacea | | |
| Cyclaspis varians | 1 | 22. 72720 |
| Leucon americanus | 1 | 22. 72720 |
| Oxyurostylis smithi | 5 | 113. 63600 |
| Arthropoda : Isopoda | | |
| Cyathura burbancki | 1 | 22. 72720 |
| Edotea triloba | 2 | 45. 45440 |
| Arthropoda : Mysidacea | | |
| Neomysis americana | 1 | 22. 72720 |
| Cnidaria : Anthozoa | | |
| Anthozoa | 1 | 22. 72720 |
| Mollusca : Bivalvia | | |
| Mulinia lateralis | 2 | 45. 45440 |
| Solemya velum | 2 | 45. 45440 |
| Tagelus divisus | 10 | 227. 27200 |
| Phoronida | | |
| Phoronis spp. | 5 | 113. 63600 |

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 BENTHIC TAXA INFORMATION

| STATION : MDCB- 52 | | |
|-------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 1 | 22. 72720 |
| Annelida : Polychaeta | | |
| Aricidea catherinae | 12 | 272. 72640 |
| Cabira incerta | 1 | 22. 72720 |
| Clymenella torquata | 1 | 22. 72720 |
| Demonax microphthalmus | 1 | 22. 72720 |
| Exogone di spar | 2 | 45. 45440 |
| Glycera americana | 1 | 22. 72720 |
| Glycinde solitaria | 9 | 204. 54480 |
| Macrolymene zonalis | 1 | 22. 72720 |
| Mediomastus ambi seta | 116 | 2636. 3552 |
| Mediomastus spp. | 151 | 3431. 8072 |
| Neanthes arenaceodentata | 4 | 90. 90880 |
| Pectinaria gouldii | 1 | 22. 72720 |
| Podarkeopsis levifuscina | 1 | 22. 72720 |
| Polydora cornuta | 1 | 22. 72720 |
| Scolelepis texana | 1 | 22. 72720 |
| Streblospio benedicti | 4 | 90. 90880 |
| Arthropoda : Amphipoda | | |
| Americhelidium americanum | 8 | 181. 81760 |
| Ameroculodes species complex | 3 | 68. 18160 |
| Ampelisca abdita | 160 | 3636. 3520 |
| Ampelisca spp. | 64 | 1454. 5408 |
| Ampelisca vadorum | 5 | 113. 63600 |
| Ampelisca verrilli | 58 | 1318. 1776 |
| Cerapus tubularis | 45 | 1022. 7240 |
| Listriella barnardi | 11 | 249. 99920 |
| Lysianopsis alba | 1 | 22. 72720 |
| Microprotopus raneyi | 2 | 45. 45440 |
| Monocorophium tuberculatum | 34 | 772. 72480 |
| Paracaprella tenuis | 1 | 22. 72720 |
| Rhepoxynius hudsoni | 18 | 409. 08960 |
| Arthropoda : Cumacea | | |
| Leucon americanus | 1 | 22. 72720 |
| Oxyurostylis smithi | 7 | 159. 09040 |
| Arthropoda : Mysidacea | | |
| Americynopsis bigelowi | 1 | 22. 72720 |
| Arthropoda : Pycnogonida | | |
| Callipallenae brevirostris | 1 | 22. 72720 |
| Echinodermata : Holothuroidea | | |
| Leptosynapta tenuis | 18 | 409. 08960 |
| Mollusca : Bivalvia | | |
| Aligena elevata | 1 | 22. 72720 |
| Solemya velum | 1 | 22. 72720 |
| Tagelus divisus | 5 | 113. 63600 |
| Tellina agilis | 2 | 45. 45440 |
| Mollusca : Gastropoda | | |
| Acteonina canaliculata | 2 | 45. 45440 |
| Nemertinea | | |
| Nemertina | 1 | 22. 72720 |
| Phoronida | | |
| Phoronis spp. | 2 | 45. 45440 |
| Platyhelminthes : Turbellaria | | |
| Turbellaria | 1 | 22. 72720 |

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 BENTHIC TAXA INFORMATION

| STATION : MDCB- 53 | | |
|-----------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 10 | 227. 27200 |
| Annelida : Polychaeta | | |
| Carazzella hobsonae | 5 | 113. 63600 |
| Clymenella torquata | 15 | 340. 90800 |
| Glycera americana | 3 | 68. 18160 |
| Glycinde solitaria | 1 | 22. 72720 |
| Macrolymene zonalis | 10 | 227. 27200 |
| Maldanidae | 1 | 22. 72720 |
| Mediomastus ambisetosa | 14 | 318. 18080 |
| Mediomastus spp. | 359 | 8159. 0648 |
| Notomastus sp. A Ewing | 18 | 409. 08960 |
| Parapriionospio pinnata | 16 | 363. 63520 |
| Podarkeopsis levi fuscinata | 2 | 45. 45440 |
| Sabaco elongatus | 23 | 522. 72560 |
| Scoletoma tenuis | 2 | 45. 45440 |
| Streblospio benedicti | 1 | 22. 72720 |
| Arthropoda : Amphipoda | | |
| Ampelisca abdita | 51 | 1159. 0872 |
| Ampelisca verrilli | 2 | 45. 45440 |
| Cerapus tubularis | 2 | 45. 45440 |
| Erichthomius brasiliensis | 1 | 22. 72720 |
| Listriella barnardi | 23 | 522. 72560 |
| Monocorophium tuberculatum | 10 | 227. 27200 |
| Unciula serrata | 8 | 181. 81760 |
| Arthropoda : Cumacea | | |
| Leucon americanus | 9 | 204. 54480 |
| Arthropoda : Isopoda | | |
| Cyathura burbancki | 1 | 22. 72720 |
| Erichsonella filiformis | 3 | 68. 18160 |
| Cnidaria : Anthozoa | | |
| Anthozoa | 1 | 22. 72720 |
| Mollusca : Bivalvia | | |
| Macoma tenta | 4 | 90. 90880 |
| Mollusca : Gastropoda | | |
| Turbonilla spp. | 2 | 45. 45440 |
| Phoronida | | |
| Phoronis spp. | 3 | 68. 18160 |

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 BENTHIC TAXA INFORMATION

| STATION : MDCB- 54 | | |
|-------------------------------|-------|------------------|
| TAXA | Count | Abundance (#/m2) |
| Annelida : Oligochaeta | | |
| Oligochaeta | 25 | 568. 18000 |
| Annelida : Polychaeta | | |
| Aricidea catherinae | 41 | 931. 81520 |
| Clymenella torquata | 2 | 45. 45440 |
| Eumida sanguinea | 1 | 22. 72720 |
| Exogone dispar | 10 | 227. 27200 |
| Glycera americana | 1 | 22. 72720 |
| Glycinde solitaria | 7 | 159. 09040 |
| Macroclymene zonalis | 9 | 204. 54480 |
| Maldanidae | 1 | 22. 72720 |
| Mediomastus ambi seta | 2 | 45. 45440 |
| Mediomastus californiensis | 4 | 90. 90880 |
| Mediomastus spp. | 109 | 2477. 2648 |
| Nereididae | 1 | 22. 72720 |
| Odontosyllis fulgurans | 1 | 22. 72720 |
| Parapionosyllis longicirrata | 5 | 113. 63600 |
| Pista spp. | 1 | 22. 72720 |
| Polycirrus eximus | 5 | 113. 63600 |
| Scolelepis bousfieldi | 2 | 45. 45440 |
| Serpulidae | 1 | 22. 72720 |
| Spirochaetopterus costarum | 2 | 45. 45440 |
| Spiophanes bombyx | 1 | 22. 72720 |
| Sthenelais boa | 3 | 68. 18160 |
| Tharyx sp. A Morris | 82 | 1863. 6304 |
| Arthropoda : Amphipoda | | |
| Americhelidium americanum | 1 | 22. 72720 |
| Ameroculodes species complex | 1 | 22. 72720 |
| Ampelisca abdita | 17 | 386. 36240 |
| Ampelisca spp. | 19 | 431. 81680 |
| Ampelisca vadorum | 4 | 90. 90880 |
| Ampelisca verrilli | 5 | 113. 63600 |
| Batea catharinensis | 2 | 45. 45440 |
| Caprella spp. | 22 | 499. 99840 |
| Cerapus tubularis | 25 | 568. 18000 |
| Cymadusa compta | 1 | 22. 72720 |
| Eobrolgus spinosus | 21 | 477. 27120 |
| Ericthonius brasiliensis | 3 | 68. 18160 |
| Listriella barnardi | 1 | 22. 72720 |
| Luconacia incerta | 1 | 22. 72720 |
| Monocorophium tuberculatum | 6 | 136. 36320 |
| Paracaprella tenuis | 15 | 340. 90800 |
| Unciola serrata | 2 | 45. 45440 |
| Arthropoda : Cumacea | | |
| Oxyurostylis smithi | 2 | 45. 45440 |
| Echinodermata : Holothuroidea | | |
| Pentamera pulcherrima | 3 | 68. 18160 |
| Mollusca : Bivalvia | | |
| Lyonia hyalina | 1 | 22. 72720 |
| Macoma tenta | 3 | 68. 18160 |
| Mulinia lateralis | 1 | 22. 72720 |
| Nucula proxima | 1 | 22. 72720 |
| Tagelus divisus | 21 | 477. 27120 |
| Tellina agilis | 2 | 45. 45440 |
| Tellina spp. | 2 | 45. 45440 |
| Mollusca : Gastropoda | | |
| Acteonina canalculata | 1 | 22. 72720 |
| Crepidula maculosa | 2 | 45. 45440 |
| Nemertinea | | |
| Nemertina | 3 | 68. 18160 |
| Phoronida | | |
| Phoronis spp. | 13 | 295. 45360 |